

TOKO Products

东光产品目录



For Consumer Applications

- Wire Wound Metal Alloy Chip Type for Power Lines
- Wire Wound Metal Alloy Type for Power Lines
- Wire Wound Ferrite Type for Power Lines
- Wire Wound Ferrite Type for Signal Circuit
- Common mode choke coils for Power Lines
- Variable coils for Signal Circuit
- Balun transformer for signal circuit



消费类应用

- 电源用贴片绕线式金属合金功率电感
- 电源用绕线式金属合金功率电感
- 电源用绕线式铁氧体功率电感
- 信号用贴片绕线型电感器
- 电源用共模扼流电感
- 信号电路用可变电感
- 信号电路用平衡-不平衡变压器

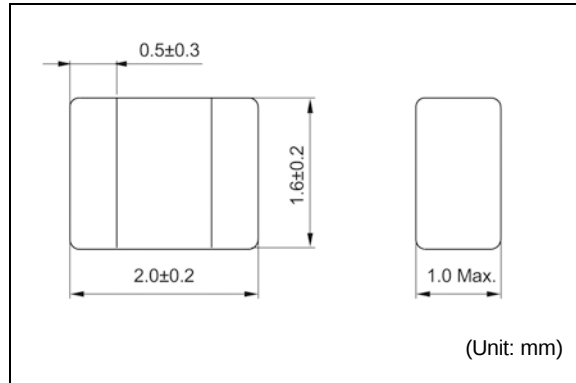
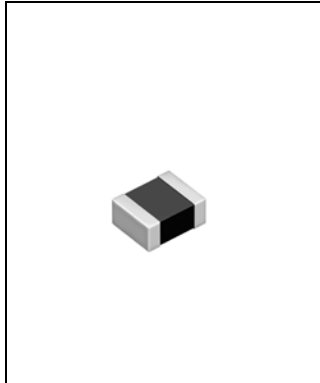
DFE201610C

85
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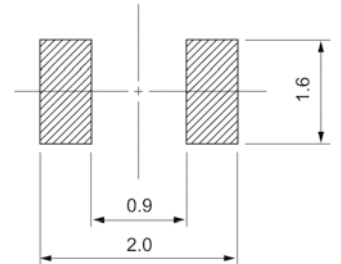
RoHS

REACH

Inductance Range: 0.56~2.2μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.0 × 1.6mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201610C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1285AS-H-R56M=P2	0.56	±20	1	59 (44)	2.8 (3.5)	2.8 (3.3)
1285AS-H-R68M=P2	0.68	±20	1	72 (55)	2.6 (3.2)	2.5 (2.9)
1285AS-H-1R0M=P2	1.0	±20	1	96 (80)	2.2 (2.7)	2.0 (2.3)
1285AS-H-1R5M=P2	1.5	±20	1	144 (120)	1.8 (2.2)	1.6 (1.9)
1285AS-H-2R2M=P2	2.2	±20	1	204 (170)	1.5 (1.9)	1.2 (1.4)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DFE201612C

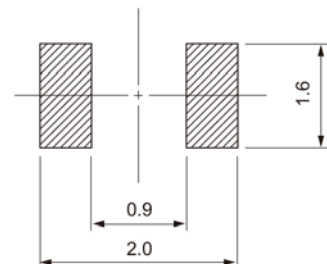
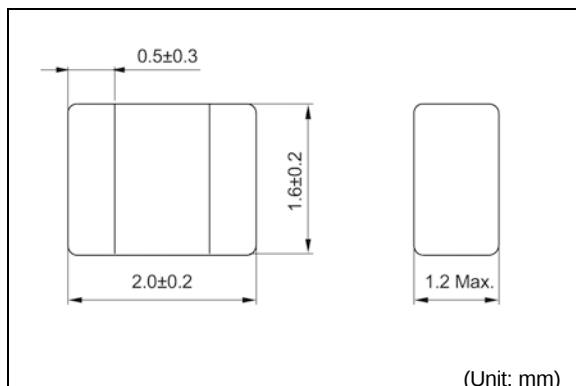
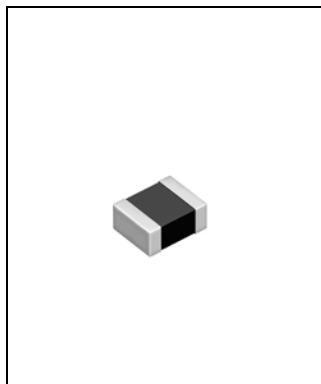
85
°C

RoHS

REACH

Inductance Range: 0.47~2.2μH

Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.0 × 1.6mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1286AS-H-R47M=P2	0.47	±20	1	52 (40)	3.4 (4.2)	3.2 (3.8)
1286AS-H-1R0M=P2	1.0	±20	1	82 (68)	2.5 (3.1)	2.3 (2.7)
1286AS-H-1R5M=P2	1.5	±20	1	114 (95)	2.0 (2.5)	1.8 (2.1)
1286AS-H-2R2M=P2	2.2	±20	1	192 (160)	1.6 (2.0)	1.3 (1.5)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

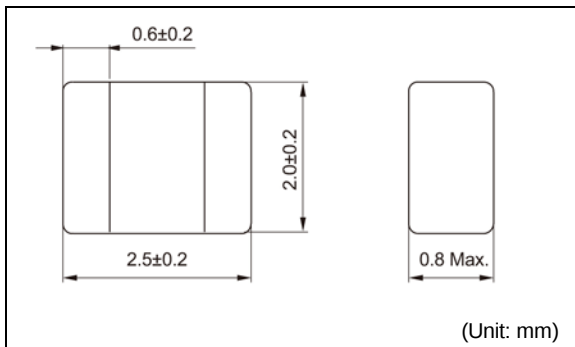
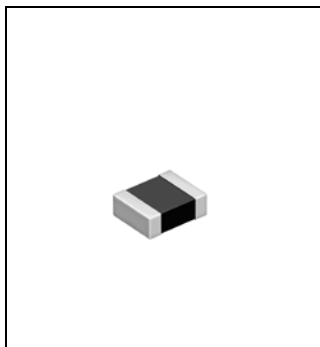
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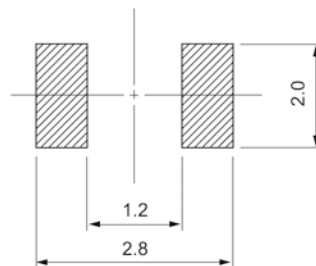
RoHS

REACH

Inductance Range: 0.47~4.7μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(0.8mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.5 × 2.0mm、高度0.8mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252008C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252008C-R47M=P2	0.47	±20	1	60 (46)	3.0 (3.7)	2.0 (2.4)
DFE252008C-1R0M=P2	1.0	±20	1	91 (70)	2.3 (2.9)	1.4 (1.7)
DFE252008C-1R5M=P2	1.5	±20	1	126 (105)	2.0 (2.5)	1.2 (1.4)
DFE252008C-2R2M=P2	2.2	±20	1	180 (150)	1.6 (2.0)	0.95 (1.1)
DFE252008C-3R3M=P2	3.3	±20	1	252 (210)	1.3 (1.7)	0.85 (1.0)
DFE252008C-4R7M=P2	4.7	±20	1	438 (365)	1.1 (1.4)	0.65 (0.75)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

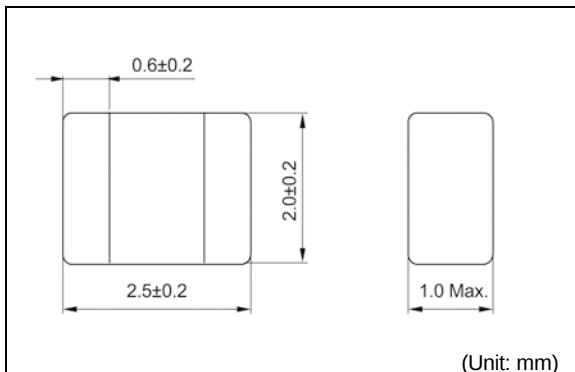
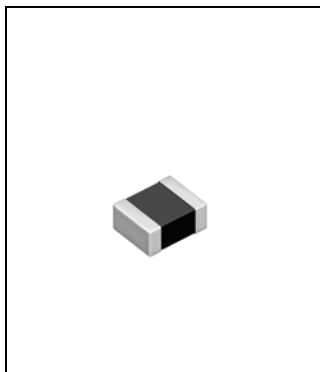
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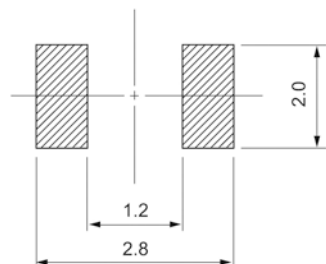
RoHS

REACH

Inductance Range: 0.47~10.0μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.5 x 2.0 mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1269AS-H-R47M=P2	0.47	±20	1	46 (35)	3.5 (4.4)	3.1 (3.6)
1269AS-H-1R0M=P2	1.0	±20	1	78 (60)	2.7 (3.4)	2.5 (3.0)
1269AS-H-1R5M=P2	1.5	±20	1	108 (90)	2.1 (2.7)	1.9 (2.3)
1269AS-H-2R2M=P2	2.2	±20	1	156 (130)	1.9 (2.4)	1.5 (1.8)
1269AS-H-3R3M=P2	3.3	±20	1	228 (190)	1.5 (1.9)	1.2 (1.4)
1269AS-H-4R7M=P2	4.7	±20	1	300 (250)	1.3 (1.6)	1.0 (1.2)
1269AS-H-6R8M=P2	6.8	±20	1	516 (430)	1.1 (1.4)	0.76 (0.9)
1269AS-H-100N=P2	10.0	±30	1	689 (530)	1.0 (1.2)	0.68 (0.8)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

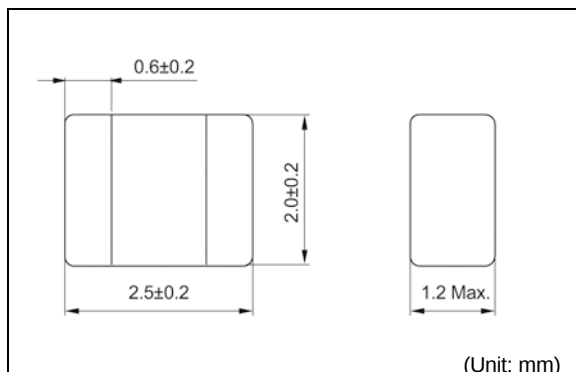
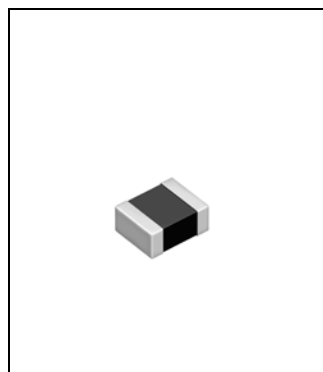
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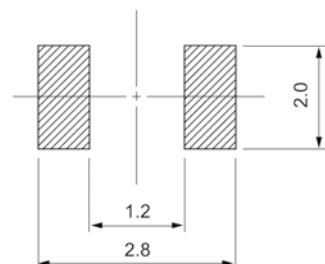
RoHS

REACH

Inductance Range: 0.47~10μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.5 x 2.0 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252012C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1239AS-H-R47M=P2	0.47	±20	1	39 (29)	3.8 (4.7)	3.7 (4.4)
1239AS-H-1R0M=P2	1.0	±20	1	59 (45)	3.0 (3.8)	3.0 (3.5)
1239AS-H-1R5M=P2	1.5	±20	1	72 (60)	2.6 (3.3)	2.4 (2.8)
1239AS-H-2R2M=P2	2.2	±20	1	108 (90)	2.2 (2.7)	2.0 (2.3)
1239AS-H-3R3M=P2	3.3	±20	1	144 (120)	1.8 (2.3)	1.5 (1.7)
1239AS-H-4R7M=P2	4.7	±20	1	240 (200)	1.5 (1.9)	1.3 (1.5)
1239AS-H-6R0M=P2	6.0	±20	1	275 (240)	1.4 (1.7)	1.1 (1.3)
1239AS-H-6R8M=P2	6.8	±20	1	375 (310)	1.3 (1.6)	1.0 (1.2)
1239AS-H-100M=P2	10	±20	1	460 (400)	1.0 (1.3)	0.85 (1.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

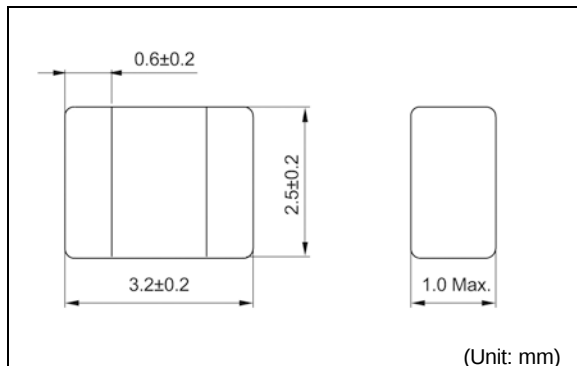
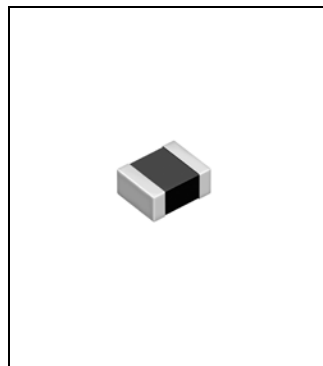
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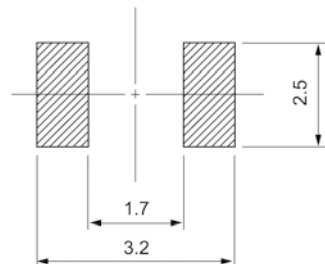
RoHS

REACH

Inductance Range: 0.47~10μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 3225 footprint (3.2mm×2.5mm) and low profile (1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(3.2 × 2.5 mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE322510C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1276AS-H-R47M=P2	0.47	±20	1	38 (28)	3.8 (4.7)	3.3 (3.9)
1276AS-H-R68M=P2	0.68	±20	1	45 (35)	3.5 (4.4)	2.9 (3.5)
1276AS-H-1R0M=P2	1.0	±20	1	62 (48)	3.1 (3.9)	2.6 (3.1)
1276AS-H-1R5M=P2	1.5	±20	1	87 (72)	2.6 (3.2)	2.1 (2.5)
1276AS-H-2R2M=P2	2.2	±20	1	118 (98)	2.2 (2.8)	1.6 (1.9)
1276AS-H-3R3M=P2	3.3	±20	1	190 (158)	1.8 (2.2)	1.4 (1.7)
1276AS-H-4R7M=P2	4.7	±20	1	264 (220)	1.6 (2.0)	1.2 (1.4)
1276AS-H-6R8M=P2	6.8	±20	1	378 (315)	1.3 (1.6)	1.0 (1.2)
1276AS-H-100M=P2	10	±20	1	588 (490)	1.0 (1.3)	0.8 (0.9)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

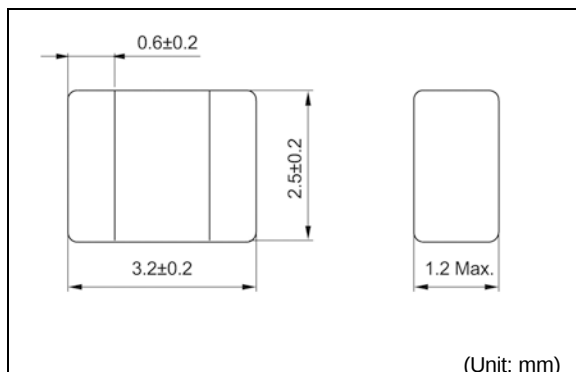
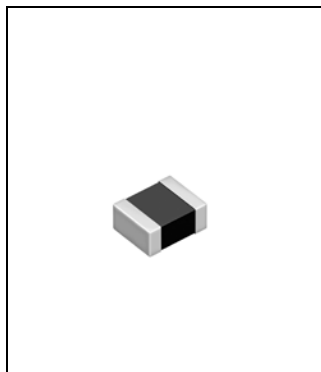
DFE322512C

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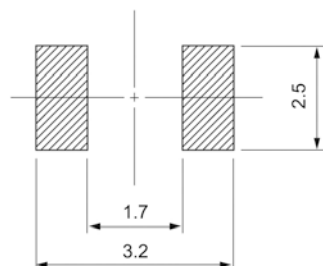
RoHS

REACH

Inductance Range: 0.47~10μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 3225 footprint (3.2mm×2.5mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(3.2 x 2.5 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE322512C (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1277AS-H-R47M=P2	0.47	±20	1	31 (21)	4.7 (5.9)	3.7 (4.4)
1277AS-H-R68M=P2	0.68	±20	1	35 (27)	4.2 (5.3)	3.5 (4.1)
1277AS-H-1R0M=P2	1.0	±20	1	45 (34)	3.7 (4.6)	3.1 (3.7)
1277AS-H-1R5M=P2	1.5	±20	1	65 (50)	3.0 (3.7)	2.6 (3.0)
1277AS-H-2R2M=P2	2.2	±20	1	84 (70)	2.6 (3.2)	2.1 (2.5)
1277AS-H-3R3M=P2	3.3	±20	1	126 (105)	2.1 (2.6)	1.8 (2.1)
1277AS-H-4R7M=P2	4.7	±20	1	180 (150)	1.8 (2.2)	1.4 (1.7)
1277AS-H-6R8M=P2	6.8	±20	1	276 (230)	1.5 (1.9)	1.2 (1.5)
1277AS-H-100M=P2	10	±20	1	420 (350)	1.2 (1.5)	0.9 (1.1)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

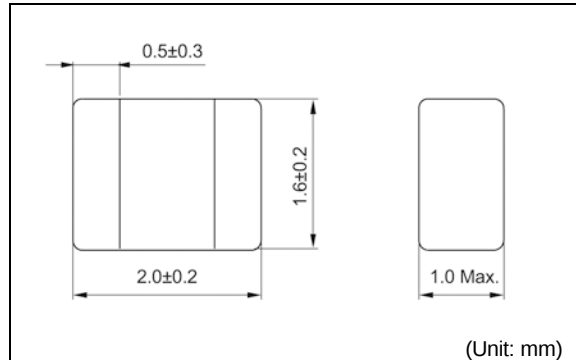
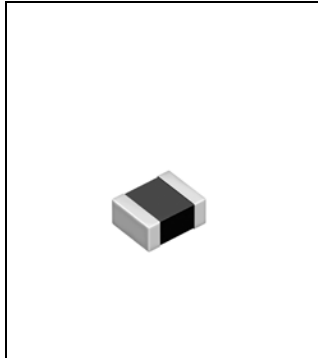
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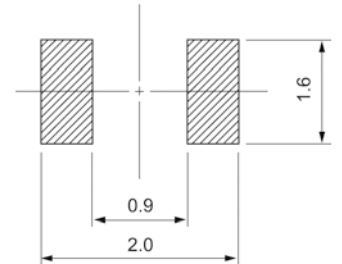
RoHS

REACH

Inductance Range: 0.47~2.2μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.0 x 1.6 mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201610R (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201610R-H-R47M=P2	0.47	±20	1	48 (37)	3.0 (3.8)	2.8 (3.3)
DFE201610R-H-1R0M=P2	1.0	±20	1	79 (66)	2.2 (2.7)	2.1 (2.5)
DFE201610R-H-1R5M=P2	1.5	±20	1	118 (98)	1.8 (2.3)	1.8 (2.1)
DFE201610R-H-2R2M=P2	2.2	±20	1	168 (140)	1.6 (2.0)	1.4 (1.6)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

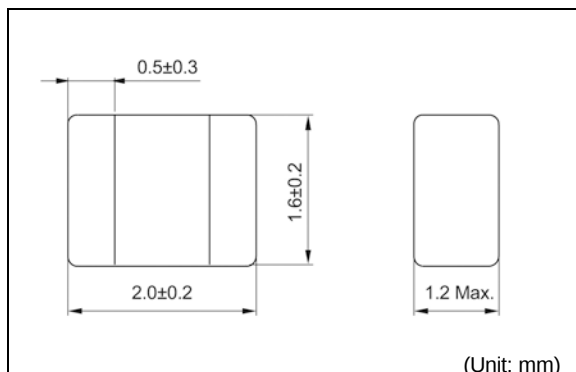
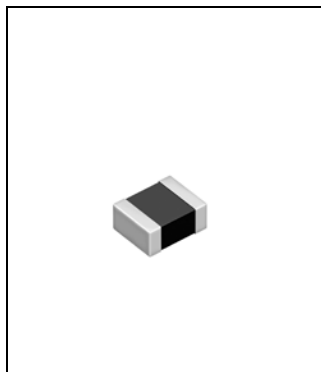
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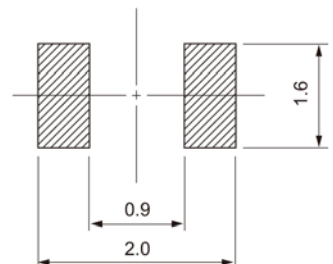
RoHS

REACH

Inductance Range: 0.47~2.2μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.0 x 1.6 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612R (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201612R-H-R47M=P2	0.47	±20	1	40 (29)	3.5 (4.4)	3.2 (3.8)
DFE201612R-H-1R0M=P2	1.0	±20	1	70 (54)	2.6 (3.3)	2.6 (3.0)
DFE201612R-H-1R5M=P2	1.5	±20	1	94 (78)	2.1 (2.6)	2.0 (2.4)
DFE201612R-H-2R2M=P2	2.2	±20	1	154 (128)	1.7 (2.1)	1.4 (1.7)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

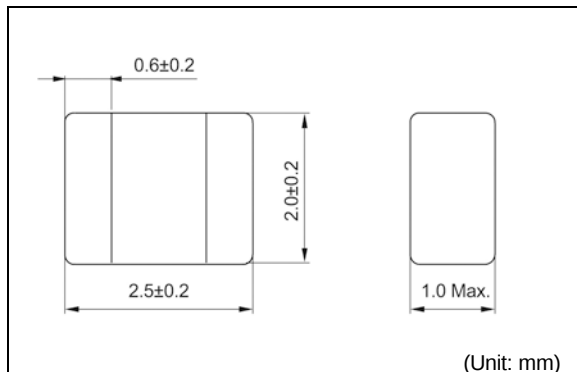
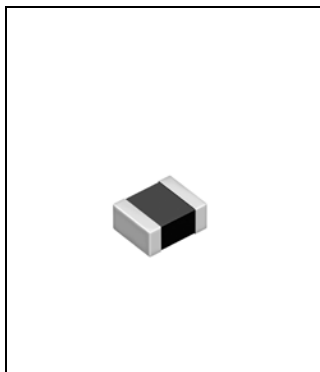
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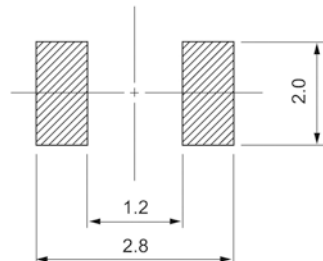
RoHS

REACH

Inductance Range: 1.0~4.7μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.5 x 2.0 mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010R (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252010R-H-1R0M=P2	1.0	±20	1	68 (52)	3.0 (3.7)	2.7 (3.1)
DFE252010R-H-1R5M=P2	1.5	±20	1	90 (75)	2.3 (2.9)	2.1 (2.5)
DFE252010R-H-2R2M=P2	2.2	±20	1	126 (105)	2.1 (2.6)	1.7 (2.0)
DFE252010R-H-4R7M=P2	4.7	±20	1	276 (230)	1.4 (1.7)	1.1 (1.3)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

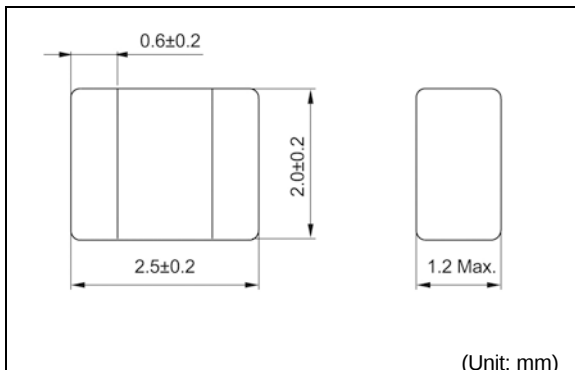
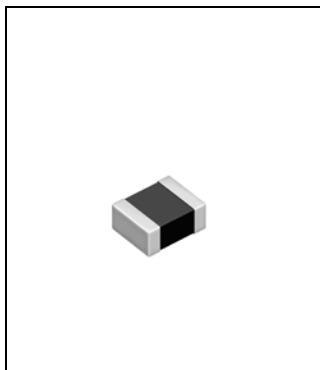
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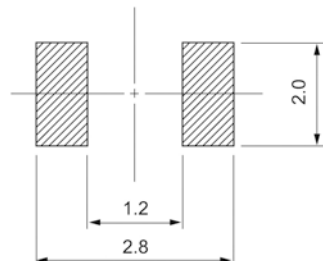
RoHS

REACH

Inductance Range: 1.0~4.7μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- 小型薄型构造(2.5 x 2.0 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252012R (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252012R-H-1R0M=P2	1.0	±20	1	49 (38)	3.4 (4.3)	3.1 (3.6)
DFE252012R-H-1R5M=P2	1.5	±20	1	65 (53)	2.8 (3.5)	2.5 (2.9)
DFE252012R-H-2R2M=P2	2.2	±20	1	90 (75)	2.4 (3.0)	2.0 (2.4)
DFE252012R-H-4R7M=P2	4.7	±20	1	216 (180)	1.7 (2.1)	1.4 (1.6)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

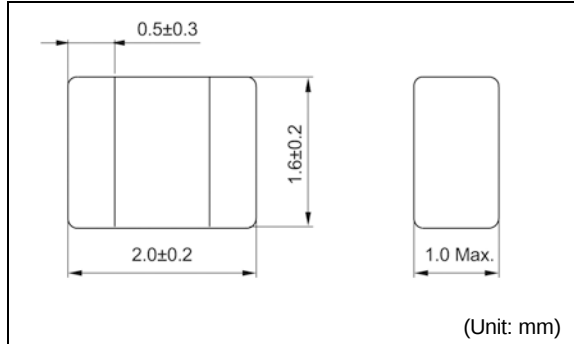
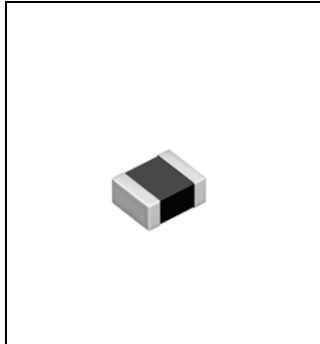
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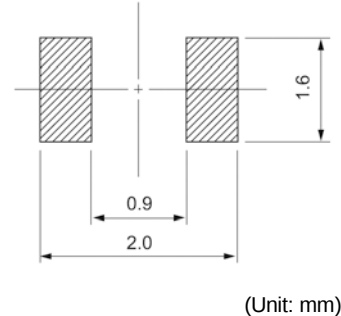
RoHS

REACH

Inductance Range: 0.24~2.2μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.0 x 1.6 mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201610P (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201610P-R24M=P2	0.24	±20	1	26 (20)	5.4 (6.0)	3.8 (4.5)
DFE201610P-R33M=P2	0.33	±20	1	34 (26)	4.7 (5.2)	3.5 (4.0)
DFE201610P-R47M=P2	0.47	±20	1	40 (32)	4.0 (4.5)	3.1 (3.6)
DFE201610P-R68M=P2	0.68	±20	1	48 (40)	3.6 (4.0)	2.7 (3.2)
DFE201610P-1R0M=P2	1.0	±20	1	70 (58)	3.1 (3.4)	2.2 (2.6)
DFE201610P-1R5M=P2	1.5	±20	1	110 (92)	2.5 (2.8)	1.8 (2.1)
DFE201610P-2R2M=P2	2.2	±20	1	168 (140)	2.0 (2.2)	1.4 (1.6)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

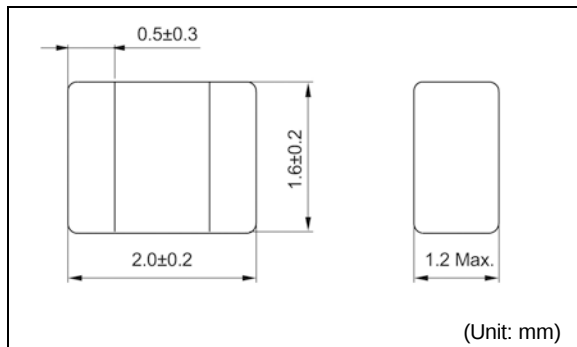
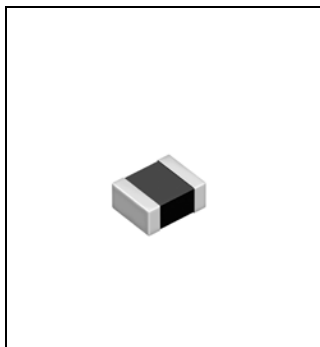
DFE201612P

125
°C

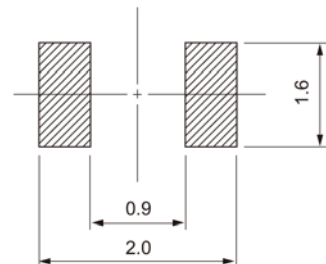
RoHS

REACH

Inductance Range: 0.24~2.2μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.0 x 1.6 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612P (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201612P-R24M=P2	0.24	±20	1	23 (15)	6.5 (7.2)	4.4 (5.2)
DFE201612P-R33M=P2	0.33	±20	1	28 (21)	5.6 (6.2)	3.9 (4.6)
DFE201612P-R47M=P2	0.47	±20	1	33 (25)	4.8 (5.4)	3.7 (4.3)
DFE201612P-1R0M=P2	1.0	±20	1	54 (45)	3.3 (3.7)	2.7 (3.1)
DFE201612P-1R5M=P2	1.5	±20	1	95 (78)	2.7 (3.0)	2.0 (2.3)
DFE201612P-2R2M=P2	2.2	±20	1	144 (120)	2.1 (2.3)	1.5 (1.8)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

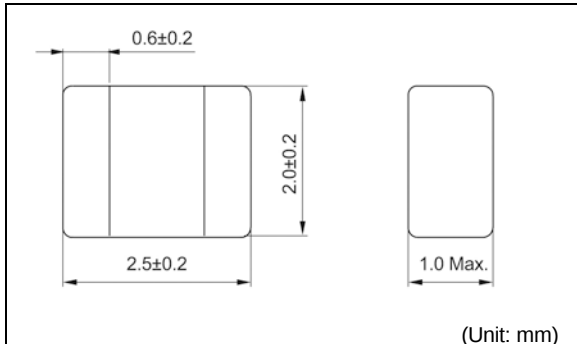
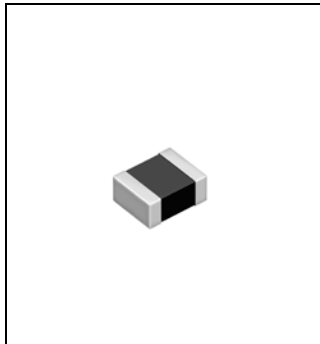
DFE252010P

125
°C

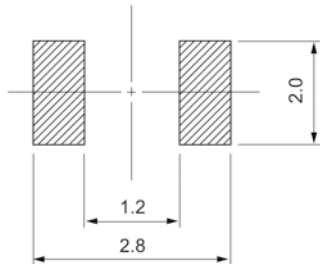
RoHS

REACH

Inductance Range: 0.33~4.7μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.5 × 2.0mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010P (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ mΩ Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252010P-R33M=P2	0.33	±20	1	29 (22)	5.7 (6.4)	3.8 (4.4)
DFE252010P-R47M=P2	0.47	±20	1	35 (27)	5.0 (5.5)	3.5 (4.1)
DFE252010P-R68M=P2	0.68	±20	1	48 (40)	4.1 (4.6)	3.0 (3.5)
DFE252010P-1R0M=P2	1.0	±20	1	54 (45)	3.8 (4.2)	2.7 (3.2)
DFE252010P-1R2M=P2	1.2	±20	1	68 (57)	3.2 (3.7)	2.4 (2.8)
DFE252010P-1R5M=P2	1.5	±20	1	82 (68)	3.0 (3.4)	2.1 (2.5)
DFE252010P-2R2M=P2	2.2	±20	1	115 (96)	2.6 (2.9)	1.7 (2.0)
DFE252010P-3R3M=P2	3.3	±20	1	195 (160)	2.1 (2.4)	1.4 (1.7)
DFE252010P-4R7M=P2	4.7	±20	1	270 (220)	1.7 (1.9)	1.1 (1.3)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DFE252012P

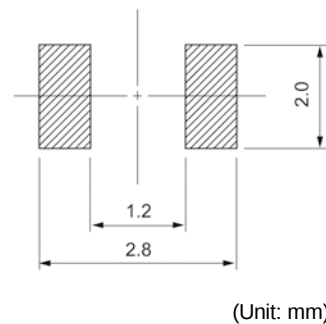
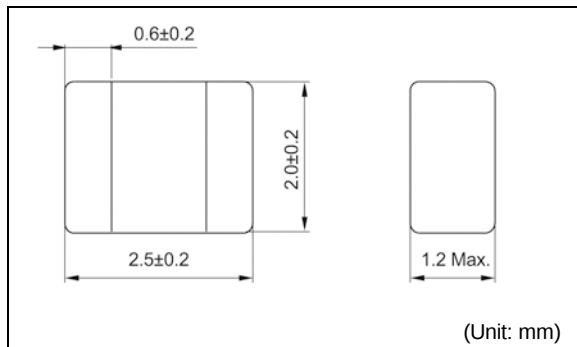
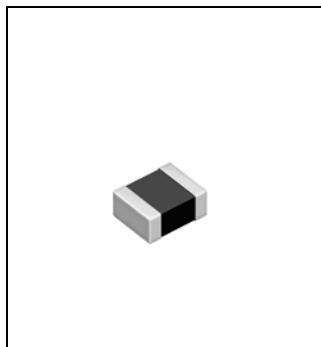
125
°C

RoHS

REACH

Inductance Range: 0.33~4.7μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.5 × 2.0 mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252012P (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252012P-R33M=P2	0.33	±20	1	23 (17)	6.6 (7.3)	4.6 (5.4)
DFE252012P-R47M=P2	0.47	±20	1	27 (21)	5.7 (6.4)	4.0 (4.7)
DFE252012P-R68M=P2	0.68	±20	1	37 (30)	4.8 (5.3)	3.5 (4.1)
DFE252012P-1R0M=P2	1.0	±20	1	42 (35)	4.3 (4.8)	3.2 (3.8)
DFE252012P-1R5M=P2	1.5	±20	1	60 (50)	3.5 (3.9)	2.6 (3.0)
DFE252012P-2R2M=P2	2.2	±20	1	84 (70)	3.0 (3.4)	2.2 (2.6)
DFE252012P-3R3M=P2	3.3	±20	1	140 (115)	2.3 (2.6)	1.7 (2.0)
DFE252012P-4R7M=P2	4.7	±20	1	200 (165)	2.0 (2.2)	1.4 (1.7)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DFE252012P

AEC-Q200

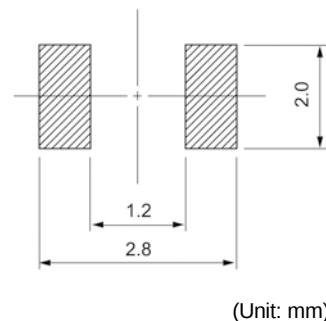
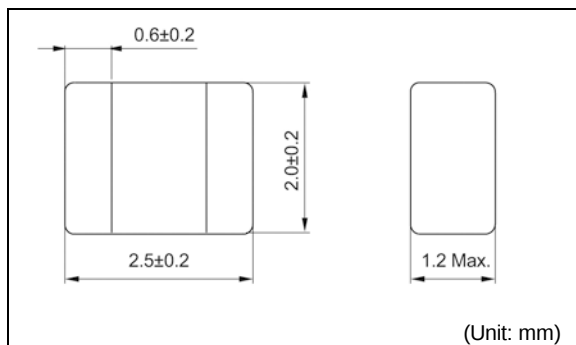
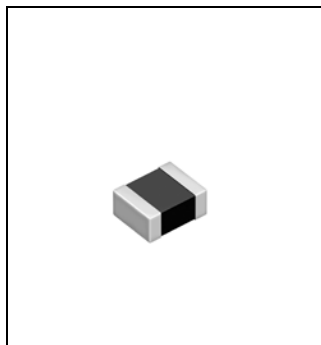
125°C

RoHS

REACH

Inductance Range: 0.33~4.7μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- AEC-Q200 compliant.
- 小型薄型构造 (2.5 × 2.0mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C
- 符合AEC-Q200

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252012P (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252012PD-R33M=P2	0.33	±20	1	23 (17)	6.0 (7.0)	4.6 (5.4)
DFE252012PD-R47M=P2	0.47	±20	1	27 (21)	5.2 (6.1)	4.0 (4.7)
DFE252012PD-R68M=P2	0.68	±20	1	37 (30)	4.3 (5.1)	3.5 (4.1)
DFE252012PD-1R0M=P2	1.0	±20	1	42 (35)	3.8 (4.5)	3.2 (3.8)
DFE252012PD-1R5M=P2	1.5	±20	1	60 (50)	3.3 (3.9)	2.6 (3.0)
DFE252012PD-2R2M=P2	2.2	±20	1	84 (70)	2.8 (3.3)	2.2 (2.6)
DFE252012PD-3R3M=P2	3.3	±20	1	140 (115)	2.1 (2.5)	1.7 (2.0)
DFE252012PD-4R7M=P2	4.7	±20	1	200 (165)	1.9 (2.2)	1.4 (1.7)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(4) Absolute maximum voltage : 20VDC

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

(4)绝对最高电压20伏特。

DFE201610E

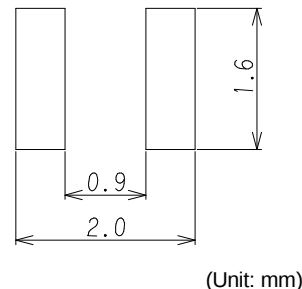
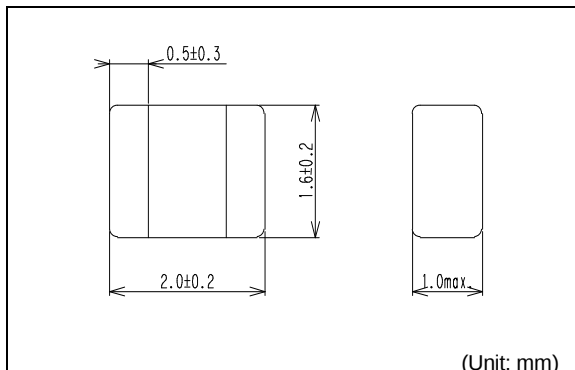
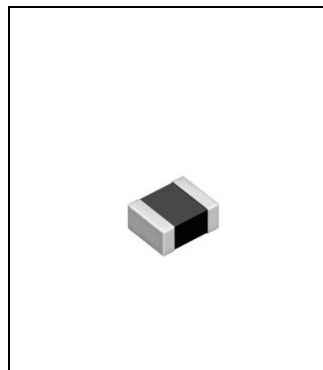
125
°C

RoHS

REACH

Inductance Range: 0.24~10μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.0 × 1.6mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201610E (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201610E-R24M=P2	0.24	±20	1	20(16)	6.3(7.0)	4.7(5.5)
DFE201610E-R33M=P2	0.33	±20	1	26(21)	5.5(6.1)	4.0(4.7)
DFE201610E-R47M=P2	0.47	±20	1	32(26)	4.8(5.3)	3.6(4.2)
DFE201610E-R68M=P2	0.68	±20	1	43(36)	4.3(4.8)	3.1(3.7)
DFE201610E-1R0M=P2	1.0	±20	1	57(48)	3.6(3.9)	2.7(3.1)
DFE201610E-1R5M=P2	1.5	±20	1	91(76)	2.9(3.2)	2.1(2.4)
DFE201610E-2R2M=P2	2.2	±20	1	140(117)	2.4(2.6)	1.7(1.9)
DFE201610E-4R7M=P2	4.7	±20	1	288(240)	1.6(1.8)	1.1(1.3)
DFE201610E-100M=P2	10	±20	1	780(650)	1.0(1.2)	0.65(0.75)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

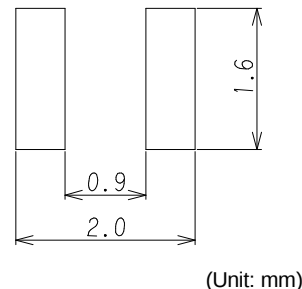
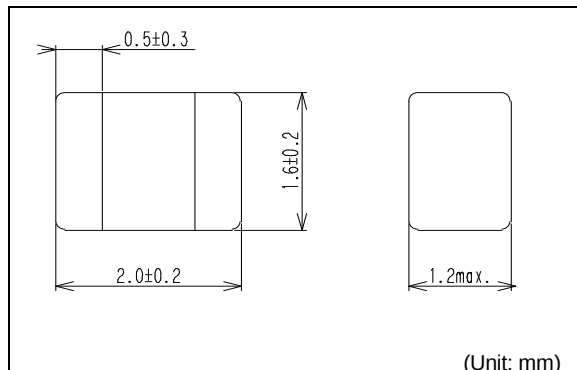
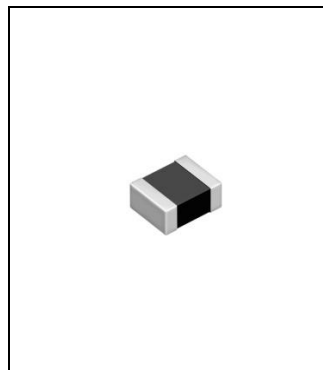
- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DFE201612E

125°C RoHS REACH

Inductance Range: 0.24~4.7μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.0 × 1.6mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612E (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201612E-R24M=P2	0.24	±20	1	19(13)	6.6(7.8)	5.0(6.0)
DFE201612E-R33M=P2	0.33	±20	1	21(15)	6.3(7.0)	4.8(5.7)
DFE201612E-R47M=P2	0.47	±20	1	26(20)	5.5(6.1)	4.5(5.0)
DFE201612E-R68M=P2	0.68	±20	1	33(27)	4.3(4.8)	3.5(4.1)
DFE201612E-1R0M=P2	1.0	±20	1	48(40)	4.0(4.4)	2.9(3.4)
DFE201612E-1R5M=P2	1.5	±20	1	72(60)	3.2(3.6)	2.3(2.7)
DFE201612E-2R2M=P2	2.2	±20	1	116(97)	2.4(2.7)	1.8(2.1)
DFE201612E-4R7M=P2	4.7	±20	1	252(210)	1.8(2.0)	1.2(1.4)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

(1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。

(2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)

(3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DFE201210U

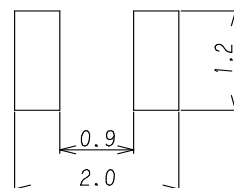
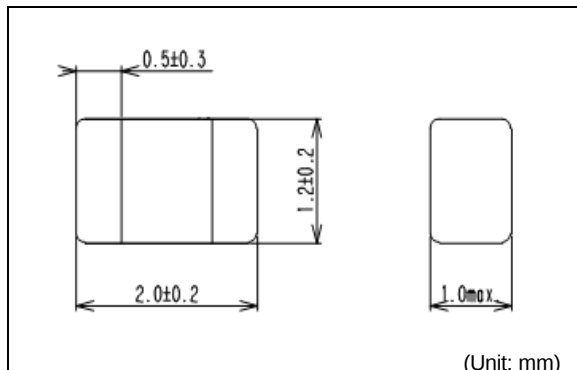
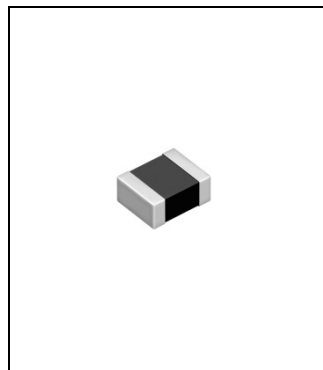
125
°C

RoHS

REACH

Inductance Range: 0.24~2.2μH

Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2012 footprint (2.0mm×1.2mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.0 × 1.2mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201210U (Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE201210U-R24M=P2	0.24	±20	1	25 (20)	6.5(7.2)	3.8(4.5)
DFE201210U-R33M=P2	0.33	±20	1	31 (25)	5.2(5.8)	3.4(4.0)
DFE201210U-R47M=P2	0.47	±20	1	42 (34)	4.4(4.8)	3.0(3.5)
DFE201210U-R68M=P2	0.68	±20	1	60 (50)	3.6(4.0)	2.4(2.8)
DFE201210U-1R0M=P2	1.0	±20	1	95 (79)	3.1(3.4)	2.0(2.4)
DFE201210U-1R5M=P2	1.5	±20	1	138 (115)	2.5(2.8)	1.6(1.9)
DFE201210U-2R2M=P2	2.2	±20	1	228 (190)	2.0(2.2)	1.2(1.4)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C)

- (1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DFE252010F

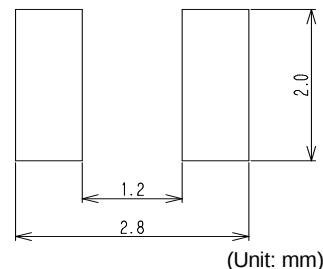
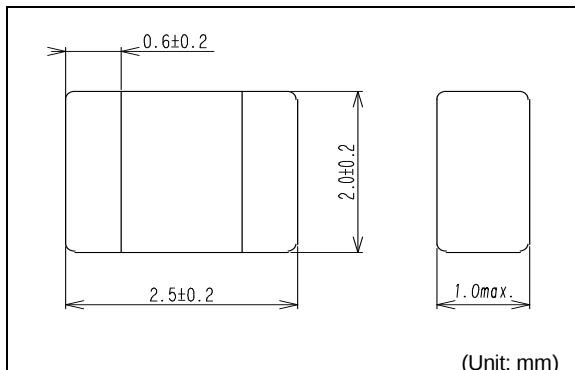
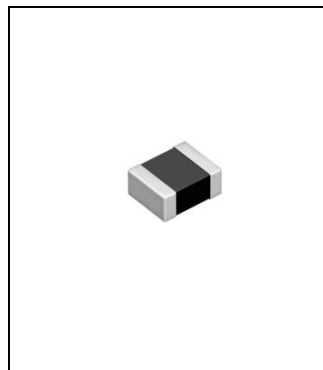
125
°C

RoHS

REACH

Inductance Range: 0.33~10μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.5 × 2.0mm、高度1.0mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010F(Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252010F-R33M=P2	0.33	±20	1	21(16)	6.8(7.6)	4.8(5.6)
DFE252010F-R47M=P2	0.47	±20	1	27(20)	6.0(6.6)	4.4(5.2)
DFE252010F-R68M=P2	0.68	±20	1	37(31)	5.0(5.5)	3.5(4.1)
DFE252010F-R82M=P2	0.82	±20	1	40(33)	4.5(5.0)	3.3(3.9)
DFE252010F-1R0M=P2	1.0	±20	1	48(40)	4.1(4.6)	3.1(3.6)
DFE252010F-1R5M=P2	1.5	±20	1	72(60)	3.4(3.8)	2.5(2.9)
DFE252010F-2R2M=P2	2.2	±20	1	97(85)	3.1(3.5)	2.3(2.5)
DFE252010F-3R3M=P2	3.3	±20	1	170(140)	2.2(2.5)	1.6(1.9)
DFE252010F-4R7M=P2	4.7	±20	1	240(200)	1.9(2.2)	1.4(1.6)
DFE252010F-6R8M=P2	6.8	±20	1	420(350)	1.4(1.6)	1.1(1.3)
DFE252010F-8R2M=P2	8.2	±20	1	520(430)	1.35(1.55)	1.0(1.2)
DFE252010F-100M=P2	10	±20	1	600(500)	1.3(1.5)	0.9(1.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度20°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DFE252012F

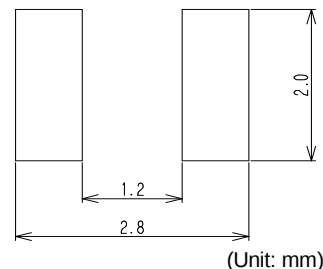
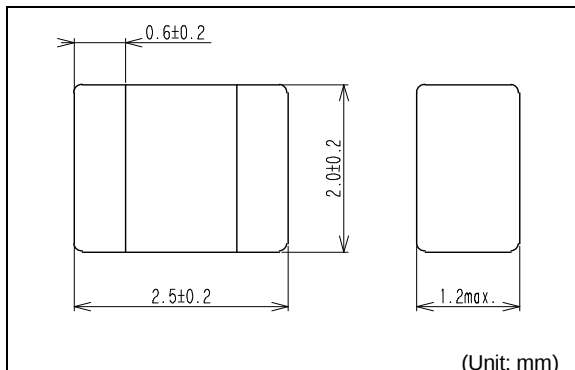
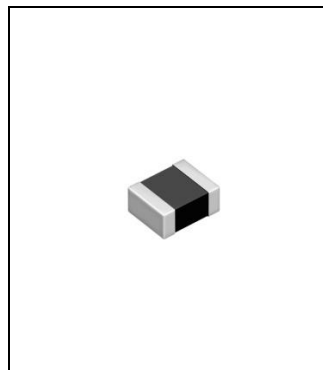
125
°C

RoHS

REACH

Inductance Range: 0.33~10μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+125°C
- 小型薄型构造(2.5 × 2.0mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252012F(Quantity/reel; 3,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252012F-R33M=P2	0.33	±20	1	19(14)	7.6(8.5)	5.1(6.0)
DFE252012F-R47M=P2	0.47	±20	1	23(17)	6.7(7.4)	4.9(5.8)
DFE252012F-R68M=P2	0.68	±20	1	31(25)	5.4(6.0)	3.9(4.6)
DFE252012F-R82M=P2	0.82	±20	1	35(29)	4.9(5.4)	3.6(4.2)
DFE252012F-1R0M=P2	1.0	±20	1	40(33)	4.7(5.3)	3.3(3.9)
DFE252012F-1R5M=P2	1.5	±20	1	58(48)	3.8(4.3)	2.7(3.2)
DFE252012F-2R2M=P2	2.2	±20	1	82(68)	3.3(3.6)	2.3(2.7)
DFE252012F-3R3M=P2	3.3	±20	1	135(110)	2.5(2.8)	1.8(2.1)
DFE252012F-4R7M=P2	4.7	±20	1	190(160)	2.1(2.4)	1.5(1.8)
DFE252012F-6R8M=P2	6.8	±20	1	330(270)	1.7(1.9)	1.2(1.4)
DFE252012F-8R2M=P2	8.2	±20	1	410(340)	1.5(1.7)	1.1(1.3)
DFE252012F-100M=P2	10	±20	1	480(400)	1.4(1.6)	0.95(1.1)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller.
(Reference ambient temperature 20°C)

- (1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度20°C)
- (3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

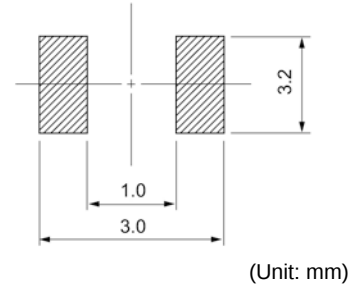
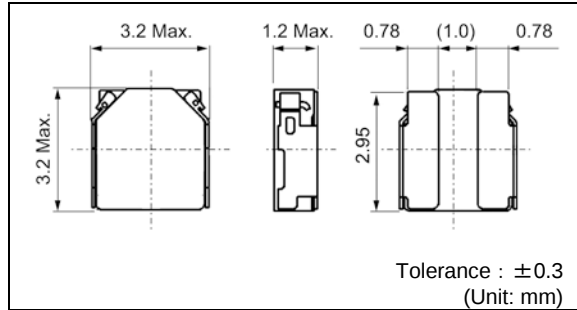
FDSD0312

RoHS

REACH

Inductance Range: 0.56~4.7μH

Recommended patterns
推荐焊盘尺寸推奨



FEATURES 特点

- 3.0 × 3.0mm Max. square and 1.2mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -20~+100°C
- 最大3.0 × 3.0毫米的平面，最大高度1.2毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0312 (Quantity/reel; 4,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0312-H-R56M=P3	0.56	± 20	35 (29)	4.2 (5.6)	3.3 (3.9)
FDSD0312-H-1R0M=P3	1.0	± 20	52 (43)	3.4 (4.5)	2.6 (3.1)
FDSD0312-H-1R5M=P3	1.5	± 20	85 (71)	2.8 (3.8)	2.1 (2.5)
FDSD0312-H-2R2M=P3	2.2	± 20	125 (105)	2.3 (3.1)	1.5 (1.8)
FDSD0312-H-3R3M=P3	3.3	± 20	160 (130)	1.9 (2.6)	1.3 (1.5)
FDSD0312-H-4R7M=P3	4.7	± 20	240 (200)	1.5 (2.0)	1.1 (1.3)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A（Agilent技术）或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A（Agilent技术）或者3541(HIOKI)测试直流电阻。（环境温度25°C）

(3) 电感值降低电流是基于电感值从最初的值降低30%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。（参考周围环境温度25°C）

(5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

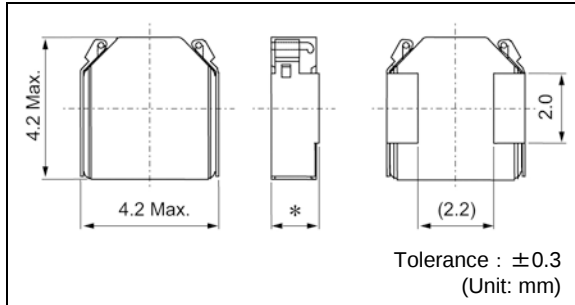
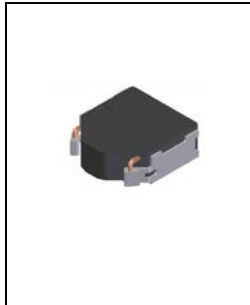
FDSD0412

RoHS

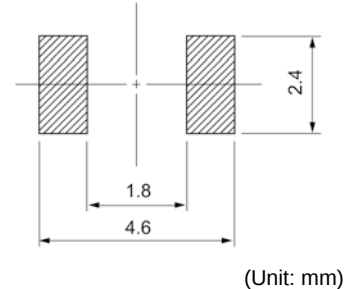
REACH

Inductance Range: 0.33~4.7μH

Recommended patterns
推荐焊盘尺寸



Note (*) 1.2mm Max. height



(Unit: mm)

FEATURES 特点

- 4.0 × 4.0mm Max. square and 1.2mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -20~+100°C
- 最大4.0 × 4.0毫米的平面，最大高度1.2毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0412 (Quantity/reel; 4,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0412-H-R33M=P3	0.33	± 20	19 (16)	7.5 (10)	6.4 (7.5)
FDSD0412-H-R47M=P3	0.47	± 20	23 (19)	6.5 (8.6)	6.0 (7.0)
FDSD0412-H-1R0M=P3	1.0	± 20	44 (37)	4.7 (6.2)	4.3 (5.0)
FDSD0412-H-1R2M=P3	1.2	± 20	48 (40)	4.5 (6.0)	3.7 (4.3)
FDSD0412-H-1R5M=P3	1.5	± 20	64 (53)	4.1 (5.5)	3.3 (3.8)
FDSD0412-H-2R2M=P3	2.2	± 20	84 (70)	3.5 (4.7)	2.8 (3.3)
FDSD0412-H-3R3M=P3	3.3	± 20	122 (102)	2.8 (3.8)	2.2 (2.6)
FDSD0412-H-4R7M=P3	4.7	± 20	161 (136)	2.5 (3.3)	1.9 (2.2)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 电感值降低电流是基于电感值从最初的值降低30%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)

(5) 绝对最高电压30伏特。

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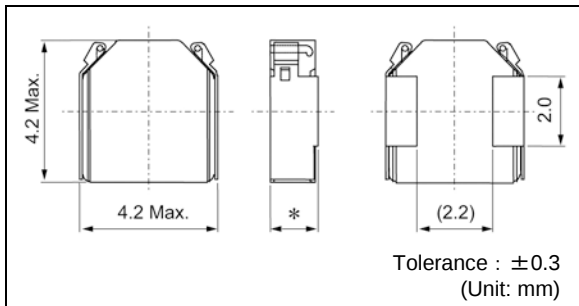
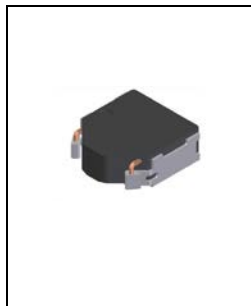
FDSD0415

RoHS

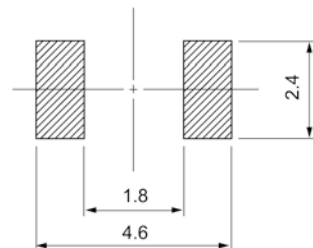
REACH

Inductance Range: 0.22~4.7μH

Recommended patterns
推荐焊盘尺寸



Note (*) 1.5mm Max. height



(Unit: mm)

FEATURES 特点

- 4.0 × 4.0mm Max. square and 1.5mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -20~+100°C
- 最大4.0 × 4.0毫米的平面，最大高度1.5毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0415 (Quantity/reel; 4,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0415-H-R22M=P3	0.22	± 20	14 (11)	12 (16)	7.7 (9.0)
FDSD0415-H-R47M=P3	0.47	± 20	18 (15)	9.0 (12)	6.1 (7.2)
FDSD0415-H-1R0M=P3	1.0	± 20	41 (34)	5.3 (7.1)	4.5 (5.3)
FDSD0415-H-1R5M=P3	1.5	± 20	47 (39)	5.0 (6.6)	3.7 (4.3)
FDSD0415-H-2R2M=P3	2.2	± 20	65 (54)	4.1 (5.4)	3.1 (3.6)
FDSD0415-H-3R3M=P3	3.3	± 20	95 (79)	3.4 (4.5)	2.6 (3.1)
FDSD0415-H-4R7M=P3	4.7	± 20	120 (100)	2.9 (3.9)	2.1 (2.5)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 电感值降低电流是基于电感值从最初的值降低30%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)

(5) 绝对最高电压30伏特。

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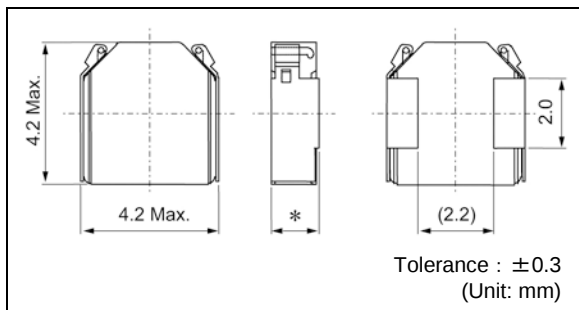
FDSD0420

RoHS

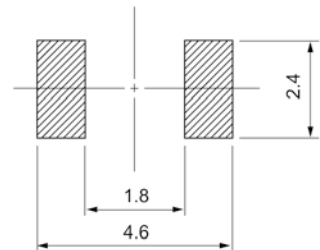
REACH

Inductance Range: 0.33~10μH

Recommended patterns
推荐焊盘尺寸



Note (*) 2.0mm Max. height



(Unit: mm)

FEATURES 特点

- 4.0 × 4.0mm Max. square and 2.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -20~+100°C
- 最大4.0 × 4.0毫米的平面，最大高度2.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0420 (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0420-H-R33M=P3	0.33	± 20	14 (12)	11 (15)	7.7 (9.1)
FDSD0420-H-R47M=P3	0.47	± 20	18 (15)	9.4 (12)	6.8 (8.0)
FDSD0420-H-R68M=P3	0.68	± 20	22 (18)	8.3 (11)	6.5 (7.6)
FDSD0420-H-1R0M=P3	1.0	± 20	29 (24)	6.8 (9.0)	5.1 (6.0)
FDSD0420-H-1R5M=P3	1.5	± 20	36 (30)	5.7 (7.7)	4.3 (5.1)
FDSD0420-H-2R2M=P3	2.2	± 20	47 (39)	4.1 (5.5)	3.6 (4.2)
FDSD0420-H-3R3M=P3	3.3	± 20	71 (59)	3.7 (4.9)	2.9 (3.4)
FDSD0420-H-4R7M=P3	4.7	± 20	83 (69)	3.6 (4.6)	2.7 (3.2)
FDSD0420-H-6R8M=P3	6.8	± 20	150 (125)	2.7 (3.6)	1.9 (2.2)
FDSD0420-H-100M=P3	10	± 20	200 (165)	2.5 (3.3)	1.7 (2.0)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A（Agilent技术）或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A（Agilent技术）或者3541(HIOKI)测试直流电阻。（环境温度25°C）

(3) 电感值降低电流是基于电感值从最初的值降低30%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。（参考周围环境温度25°C）

(5) 绝对最高电压30伏特。

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FDSD0420

AEC-Q200

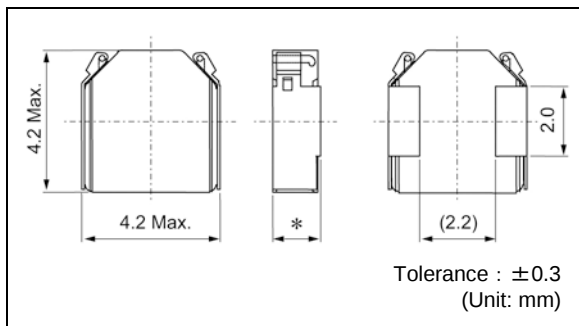
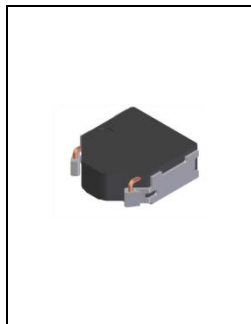
125°C

RoHS

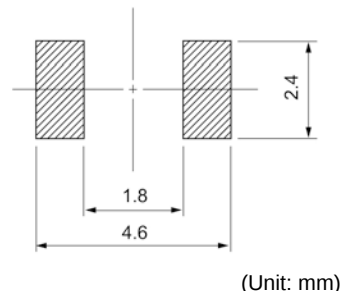
REACH

Inductance Range: 0.33~10μH

Recommended patterns
推荐焊盘尺寸



Note (*) 2.0mm Max. height



FEATURES 特点

- AEC-Q200 Compliant.
- 4.0 × 4.0mm Max. square and 2.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -40~+125°C
- AEC-Q200 compliant.
- 符合AEC-Q200
- 最大4.0 × 4.0毫米的平面，最大高度2.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C
- 符合AEC-Q200

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0420 (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0420D-R33M=P3	0.33	± 20	14 (12)	11 (15)	7.7 (9.1)
FDSD0420D-R47M=P3	0.47	± 20	18 (15)	9.4 (12)	6.8 (8.0)
FDSD0420D-R68M=P3	0.68	± 20	22 (18)	8.3 (11)	6.5 (7.6)
FDSD0420D-1R0M=P3	1.0	± 20	29 (24)	6.8 (9.0)	5.1 (6.0)
FDSD0420D-1R5M=P3	1.5	± 20	36 (30)	5.7 (7.7)	4.3 (5.1)
FDSD0420D-2R2M=P3	2.2	± 20	47 (39)	4.1 (5.5)	3.6 (4.2)
FDSD0420D-3R3M=P3	3.3	± 20	71 (59)	3.7 (4.9)	2.9 (3.4)
FDSD0420D-4R7M=P3	4.7	± 20	83 (69)	3.6 (4.6)	2.7 (3.2)
FDSD0420D-6R8M=P3	6.8	± 20	150 (125)	2.7 (3.6)	1.9 (2.2)
FDSD0420D-100M=P3	10	± 20	200 (165)	2.5 (3.3)	1.7 (2.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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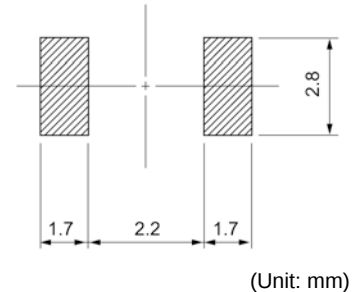
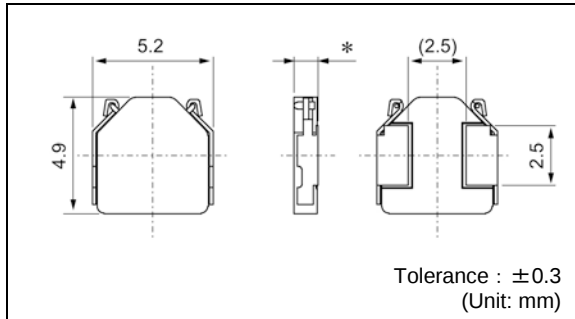
FDSD0512

RoHS

REACH

Inductance Range: 1.0~6.8μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 5.2 × 4.9mm square and 1.2mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature : -20~+100°C
- 最大5.2 × 4.9毫米的平面，最大高度1.2毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0512 (Quantity/reel; 4,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0512-H-1R0M=P3	1.0	± 20	44 (37)	6.1 (7.6)	4.0 (4.7)
FDSD0512-H-K2R2M=P3	2.2	± 20	68 (56)	4.2 (5.2)	3.2 (3.8)
FDSD0512-H-4R7M=P3	4.7	± 20	180 (150)	3.0 (3.7)	2.0 (2.3)
FDSD0512-H-6R8M=P3	6.8	± 20	210 (180)	2.3 (2.9)	1.7 (2.0)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 30% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 电感值降低电流是基于电感值从最初的值降低30%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)

(5) 绝对最高电压30伏特。

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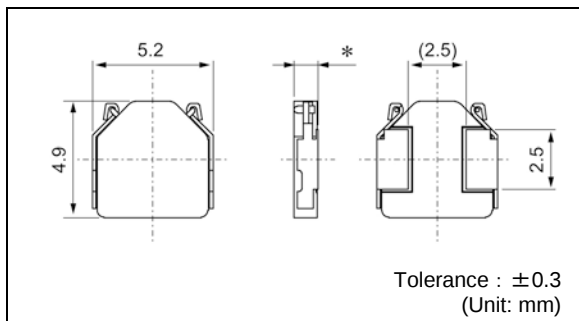
NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

FDSD0515

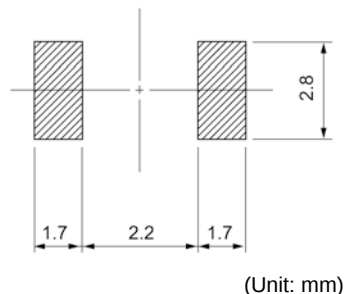
RoHS REACH

Inductance Range: 1.0~4.7μH

Recommended patterns
推荐焊盘尺寸



Note (*) 1.5mm Max. height



FEATURES 特点

- 5.2 × 4.9mm square and 1.5mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature : -20~+100°C
- 最大5.2 × 4.9毫米的平面，最大高度1.5毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0515 (Quantity/reel; 4,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0515-H-1R0M=P3	1.0	± 20	30 (25)	7.0 (8.7)	5.2 (6.1)
FDSD0515-H-2R2M=P3	2.2	± 20	59 (49)	4.8 (6.0)	3.4 (4.0)
FDSD0515-H-3R3M=P3	3.3	± 20	75 (63)	3.8 (4.7)	3.0 (3.5)
FDSD0515-H-4R7M=P3	4.7	± 20	100 (82)	3.2 (4.0)	2.6 (3.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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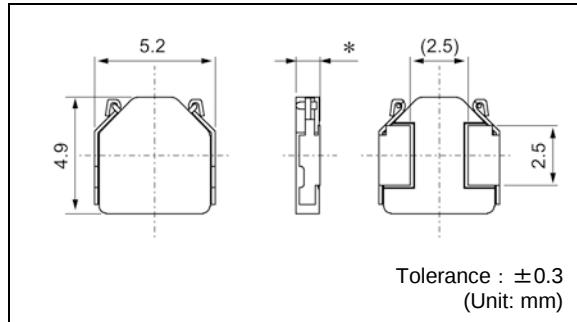
NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

FDSD0518

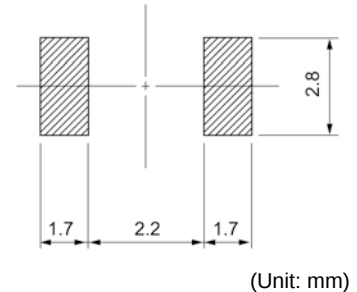
RoHS REACH

Inductance Range: 0.68~10μH

Recommended patterns
推荐焊盘尺寸



Note (*) 1.5mm Max. height



(Unit: mm)

FEATURES 特点

- 5.2 × 4.9mm square and 1.8mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature : -20~+100°C
- 最大5.2 × 4.9毫米的平面，最大高度1.8毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0518 (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0518-H-R68M=P3	0.68	± 20	19 (16)	9.0 (11)	6.8 (8.0)
FDSD0518-H-1R0M=P3	1.0	± 20	21 (18)	8.7 (11)	6.1 (7.2)
FDSD0518-H-1R5M=P3	1.5	± 20	29 (24)	6.7 (8.4)	5.3 (6.2)
FDSD0518-H-2R2M=P3	2.2	± 20	40 (33)	5.4 (6.7)	4.3 (5.0)
FDSD0518-H-3R3M=P3	3.3	± 20	58 (51)	4.6 (5.7)	3.4 (4.0)
FDSD0518-H-4R7M=P3	4.7	± 20	73 (64)	3.9 (4.9)	3.0 (3.5)
FDSD0518-H-6R8M=P3	6.8	± 20	106 (88)	2.9 (3.6)	2.6 (3.0)
FDSD0518-H-100M=P3	10	± 20	150 (128)	2.7 (3.4)	2.4 (2.8)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

- (1) LCR仪表4284A（Agilent技术）或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A（Agilent技术）或者3541(HIOKI)测试直流电阻。（环境温度为25°C）
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。（参考周围环境温度25°C）
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

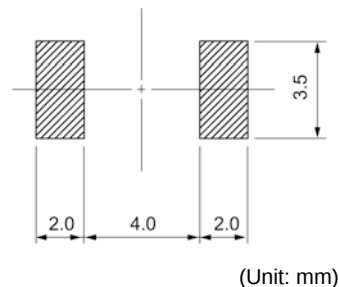
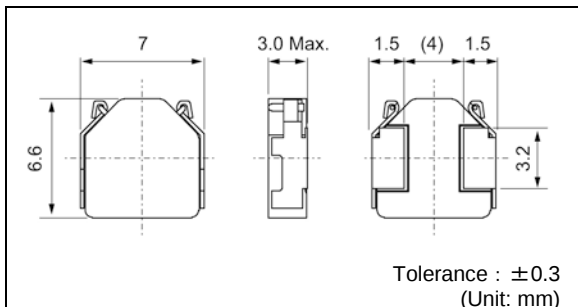
FDSD0630

RoHS

REACH

Inductance Range: 0.68~10μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 7.0 × 6.6mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -20~+100°C
- 最大7.0 × 6.6毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDSD0630 (Quantity/reel; 1,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDSD0630-H-R68M=P3	0.68	± 20	8.6 (7.1)	17 (21)	9.61 (12)
FDSD0630-H-1R0M=P3	1.0	± 20	11 (9)	15 (19)	9.4 (11)
FDSD0630-H-1R5N=P3	1.5	± 30	13 (11)	13 (16)	8.5 (10)
FDSD0630-H-2R2M=P3	2.2	± 20	17 (14)	12 (15)	7.1 (8.3)
FDSD0630-H-3R3M=P3	3.3	± 20	28 (23)	8.0 (10)	5.6 (6.6)
FDSD0630-H-4R7M=P3	4.7	± 20	40 (33)	7.6 (9.5)	4.7 (5.5)
FDSD0630-H-5R6M=P3	5.6	± 20	46 (38)	7.0 (8.8)	4.2(4.9)
FDSD0630-H-6R8M=P3	6.8	± 20	61 (51)	5.9 (7.4)	3.7 (4.3)
FDSD0630-H-8R2M=P3	8.2	± 20	70 (58)	5.5 (6.9)	3.4 (4.0)
FDSD0630-H-100M=P3	10	± 20	74 (62)	5.4 (6.8)	3.2 (3.8)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

- (1) LCR仪表4284A（Agilent技术）或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A（Agilent技术）或者3541(HIOKI)测试直流电阻。（环境温度为25°C）
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。（参考周围环境温度25°C）
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

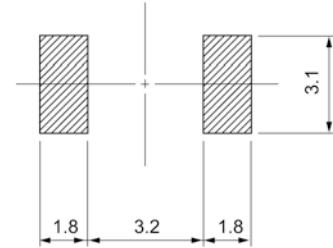
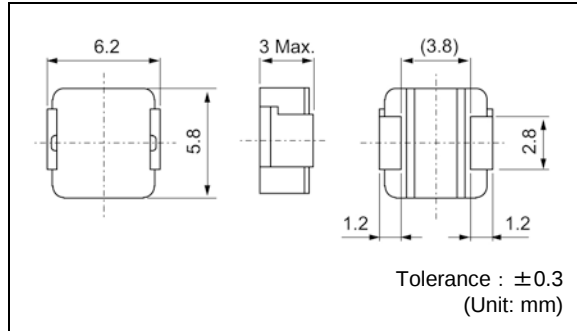
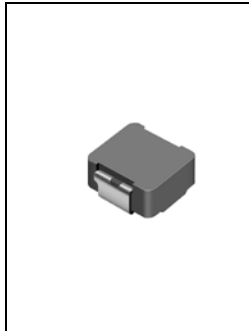
FDV0530

RoHS

REACH

Inductance Range: 0.11~4.7μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 6.2 × 5.8mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (−20 ~ +100°C)
- 最大6.2 × 5.8毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：−20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDV0530 (Quantity/reel; 1,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDV0530-H-R11M=P3	0.11	± 20	1.6 (1.3)	19.6 (26.2)	18.2 (22.7)
FDV0530-H-R20M=P3	0.20	± 20	2.4 (2.1)	17.5 (23.3)	17.7 (20.8)
FDV0530-H-R36M=P3	0.36	± 20	4.1 (3.6)	12.6 (16.9)	13.9 (16.3)
FDV0530-H-R56M=P3	0.56	± 20	6.3 (5.5)	11.3 (15.1)	11.1 (13.1)
FDV0530-H-R75M=P3	0.75	± 20	7.6 (6.6)	9.9 (13.1)	9.7 (11.4)
FDV0530-H-1R0M=P3	1.0	± 20	11.2 (9.4)	8.4 (11.2)	7.7 (9.1)
FDV0530-H-1R5M=P3	1.5	± 20	15.5 (13.5)	5.7 (7.6)	6.6 (7.8)
FDV0530-H-2R2M=P3	2.2	± 20	19.9 (17.3)	5.3 (7.1)	6.0 (7.0)
FDV0530-H-3R3M=P3	3.3	± 20	34.1 (29.6)	4.1 (5.5)	4.5 (5.3)
FDV0530-H-4R7M=P3	4.7	± 20	53.6 (46.6)	3.5 (4.6)	3.6 (4.2)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Inductance Decrease Current based upon 20% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

(1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 电感值降低电流是基于电感值从最初的值降低20%计算的。

(4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)

(5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

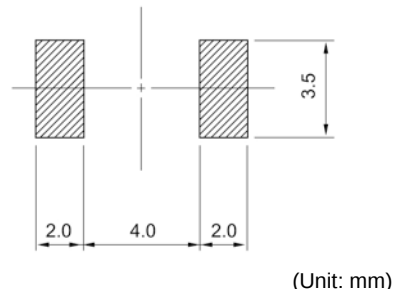
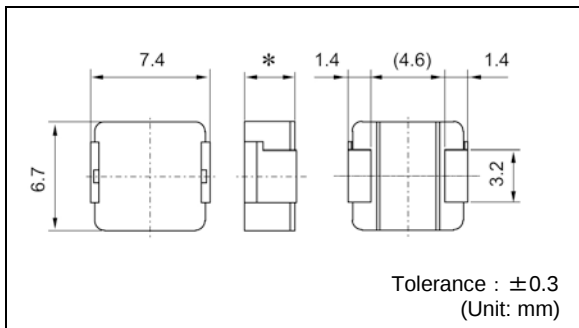
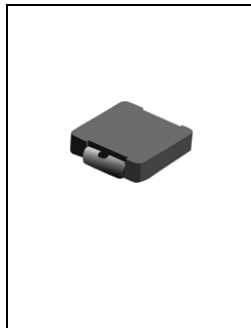
FDV0618

RoHS

REACH

Inductance Range: 0.24~3.3μH

Recommended patterns
推荐焊盘尺寸推奨



FEATURES 特点

- 6.7 × 7.4mm square and 1.8 mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (− 20~+100°C)
- 最大6.7 × 7.4毫米的平面，最大高度1.8毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：− 20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDV0618 (Quantity/reel; 1,500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) =20%	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FDV0618-H-R24N=P3	0.24	± 30	4.5(3.8)	14(19)	13(16)
FDV0618-H-R35N=P3	0.35	± 30	6.8(5.7)	11(15)	10(13)
FDV0618-H-R68M=P3	0.68	± 20	10(8.3)	9.8(13)	8.7(11)
FDV0618-H-1R0M=P3	1.0	± 20	17(15)	7.1(9.5)	5.4(6.7)
FDV0618-H-1R5N=P3	1.5	± 30	27(22)	6.0(8.0)	4.8(6.0)
FDV0618-H-2R2M=P3	2.2	± 20	34(29)	5.3(7.1)	4.4(5.5)
FDV0618-H-3R3M=P3	3.3	± 20	48(42)	4.1(5.4)	3.2(4.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20 % inductance reduction from the initial value.
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30V DC.

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

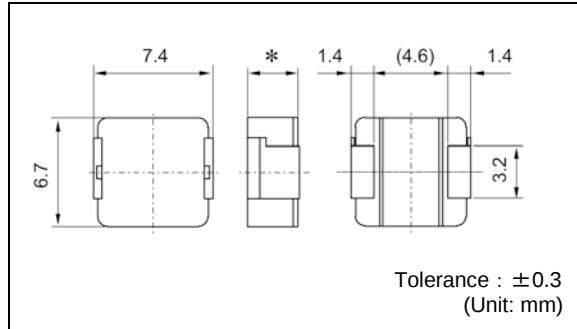
FDV0620

RoHS

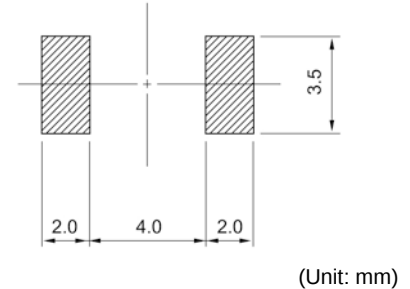
REACH

Inductance Range: 0.2~4.7μH

Recommended patterns
推荐焊盘尺寸推奨



Note (*) 2.0mm Max. height



FEATURES 特点

- 6.7 × 7.4mm square and 2.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (− 20 ~ +100°C)
- 最大6.7 × 7.4毫米的平面，最大高度2.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：− 20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDV0620 (Quantity/reel; 1,500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) =20%	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FDV0620-H-R20M=P3	0.20	± 20	4.5 (3.4)	16.2 (22.5)	12.4 (15.9)
FDV0620-H-R47M=P3	0.47	± 20	8.3 (6.2)	11.0 (17.2)	9.0 (11.7)
FDV0620-H-R68M=P3	0.68	± 20	10.0 (8.0)	10.0 (13.5)	7.7 (10.3)
FDV0620-H-1R0M=P3	1.0	± 20	18.0 (14.0)	7.7 (10.4)	5.7 (7.4)
FDV0620-H-1R5M=P3	1.5	± 20	26.0 (20.0)	6.0 (8.0)	5.0 (6.2)
FDV0620-H-2R2M=P3	2.2	± 20	37.0 (30.1)	5.1 (7.0)	4.0 (5.0)
FDV0620-H-3R3M=P3	3.3	± 20	51.0 (39.5)	4.2 (5.6)	3.2 (4.3)
FDV0620-H-4R7M=P3	4.7	± 20	68.0 (53.1)	3.5 (4.7)	2.8 (3.7)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20 % inductance reduction from the initial value.
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30V DC.

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541 (HIOKI) 测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

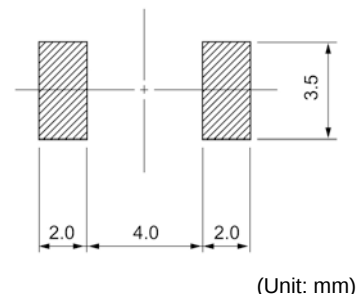
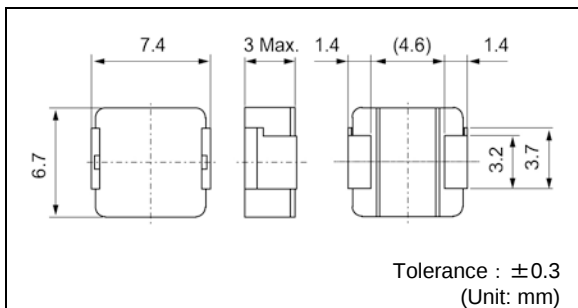
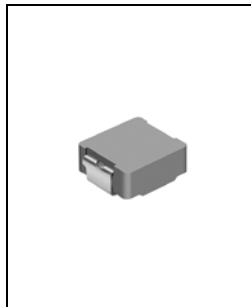
FDVE0630

RoHS

REACH

Inductance Range: 0.16μH~10μH

Recommended patterns
推荐焊盘尺寸推奨



FEATURES 特点

- 7.4 × 6.7mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (−20~+100°C)
- 最大7.4 × 6.7毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：−20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDVE0630 (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDVE0630-H-R16M=P3	0.16	±20	1.6 (1.4)	19.4 (25.8)	20.7 (25.9)
FDVE0630-H-R33M=P3	0.33	±20	2.7 (2.3)	15.9 (21.1)	16.9 (21.1)
FDVE0630-H-R47M=P3	0.47	±20	3.7 (3.2)	15.6 (20.8)	14.1 (17.7)
FDVE0630-H-R68M=P3	0.68	±20	6.0 (5.0)	10.4 (13.8)	11.9 (14.0)
FDVE0630-H-R75M=P3	0.75	±20	6.2 (5.4)	10.9 (14.5)	10.7 (13.4)
FDVE0630-H-1R0M=P3	1.0	±20	8.5 (7.4)	9.5 (12.7)	9.5 (11.9)
FDVE0630-H-1R5M=P3	1.5	±20	12.1 (10.6)	8.1(10.9)	8.0 (10.0)
FDVE0630-H-2R2M=P3	2.2	±20	16.2 (14.0)	6.9 (9.3)	6.6 (8.3)
FDVE0630-H-3R3M=P3	3.3	±20	25.4 (22.1)	5.3 (7.0)	5.3 (6.6)
FDVE0630-H-4R7M=P3	4.7	±20	36.1 (31.3)	4.6 (6.2)	4.4 (5.5)
FDVE0630-H-6R8M=P3	6.8	±20	54.2 (47.1)	3.4 (4.6)	3.6 (4.5)
FDVE0630-H-100M=P3	10	±20	79.2 (68.9)	3.1 (4.1)	2.8 (3.6)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

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- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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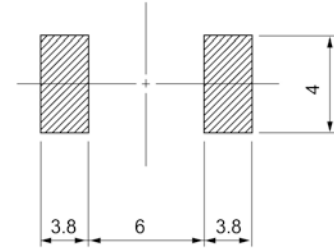
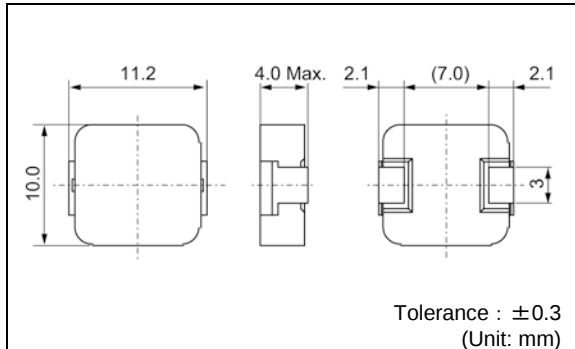
FDVE1040

RoHS

REACH

Inductance Range: 1.5~10μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 11.2 × 10.0mm square and 4.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (− 20 ~ +100°C)
- 最大11.2 × 10.0毫米的平面，最大高度4.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：− 20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDVE1040 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDVE1040-H-1R5M=P3	1.5	± 20	4.6 (4.1)	13.7 (17.1)	14.6 (18.2)
FDVE1040-H-2R2M=P3	2.2	± 20	6.8 (6.1)	11.4 (14.2)	11.6 (14.5)
FDVE1040-H-2R7M=P3	2.7	± 20	8.8 (8.0)	10.9 (13.6)	10.5 (13.1)
FDVE1040-H-3R3M=P3	3.3	± 20	10.1 (9.2)	9.8 (12.3)	9.0 (11.3)
FDVE1040-H-4R7M=P3	4.7	± 20	13.8 (12.5)	8.2 (10.2)	8.0 (10.0)
FDVE1040-H-5R6M=P3	5.6	± 20	18.0 (16.3)	7.9 (9.9)	7.3 (9.2)
FDVE1040-H-6R8M=P3	6.8	± 20	20.2 (18.4)	7.1 (8.9)	7.1 (8.8)
FDVE1040-H-100M=P3	10	± 20	34.1 (31.0)	6.1 (7.7)	5.2 (6.5)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是基于温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

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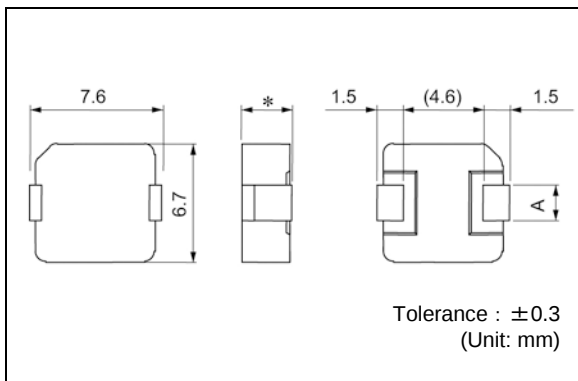
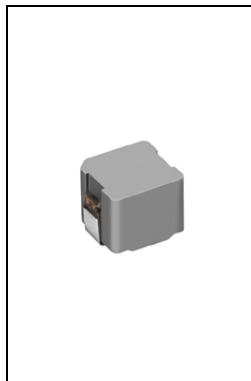
FDUE0640

RoHS

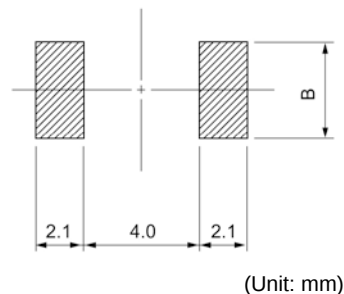
REACH

Inductance Range: 0.15μH~0.42uH

Recommended patterns
推荐焊盘尺寸推奨



Note (*) 4.0mm Max. height



FEATURES 特点

- 6.7 × 7.6mm square and 4.0 mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- Operating temperature (− 20~+100°C)
- 最大6.7 × 7.6毫米的平面，最大高度4.0 毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDUE0640 (Quantity/reel; 1000 PCS)

东光零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)	
TOKO Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)	A	B
FDUE0640-H-KR15M=P3	0.15	± 20	0.61	25 (33)	33 (39)	2.0	2.5
FDUE0640-H-R24M=P3	0.24	± 20	0.89	19 (25)	27 (34)	2.0	2.5
FDUE0640-H-R42M=P3	0.42	± 20	1.48	15 (20)	22 (28)	2.0	2.5

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30%(FDUE0630) or 20%(FDUE0640, FDUE0650) inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%(FDUE0630) / 20%(FDUE0640, FDUE0650)计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

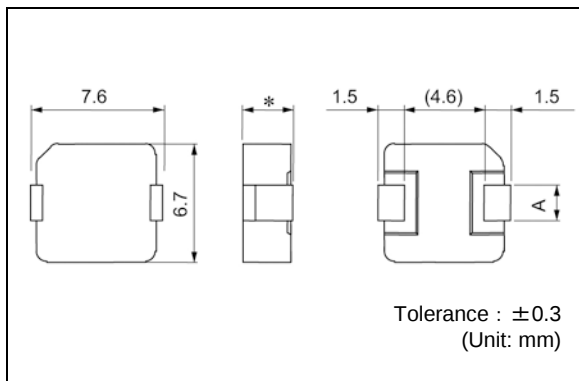
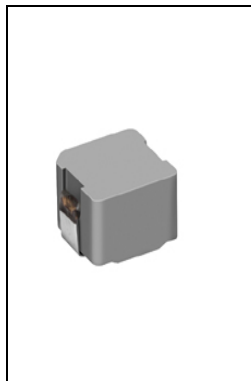
注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

FDUE0650

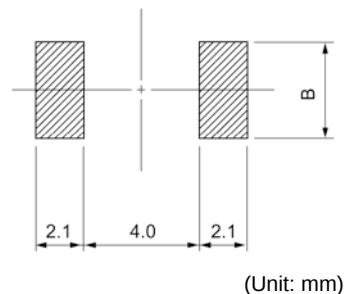
RoHS

REACH

Inductance Range: 0.6μH~1.0uH



Recommended patterns 推荐焊盘尺寸推奨



FEATURES 特点

- 6.7 × 7.6mm square and 5.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- Operating temperature (− 20~+100°C)
- 最大6.7 × 7.6毫米的平面，最大高度5.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDUE0650 (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)	
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)	A	B
FDUE0650-H-R60M=P3	0.6	± 20	2.35	12 (16)	18 (21)	2.7	3.5
FDUE0650-H-1R0M=P3	1.0	± 20	3.45	9.8 (13)	16 (19)	2.7	3.5

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30%(FDUE0630) or 20%(FDUE0640, FDUE0650) inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%(FDUE0630) / 20%(FDUE0640, FDUE0650)计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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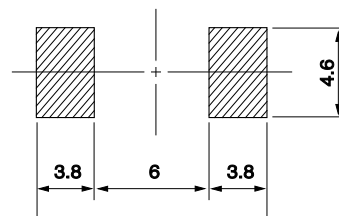
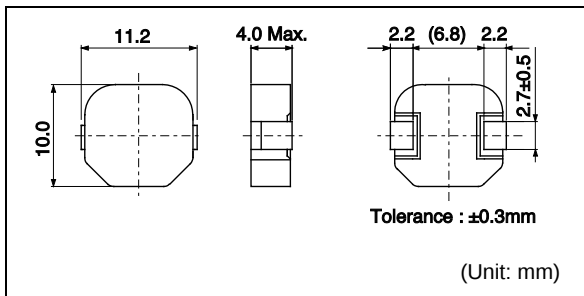
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FDUE1040D

RoHS REACH

Inductance Range: 0.22~1.0μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 11.2 × 10.0mm square and 4.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- Operating temperature (− 20 ~ +100°C)
- 最大11.2 × 10.0毫米的平面，最大高度4.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：− 20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDUE1040D (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DCR Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDUE1040D-H-R22M=P3	0.22	± 20	0.64	32 (43)	32 (40)
FDUE1040D-H-R36M=P3	0.36	± 20	0.79	25 (33)	30 (37)
FDUE1040D-H-R45M=P3	0.45	± 20	1.02	24 (31)	27 (33)
FDUE1040D-H-1R0M=P3	1.0	± 20	2.35	16 (21)	18 (22)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz.
 (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
 (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value.
 (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
 (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
 (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
 (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
 (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
 (5) 绝对最高电压30伏特。

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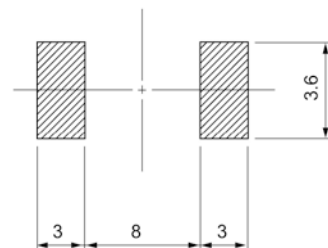
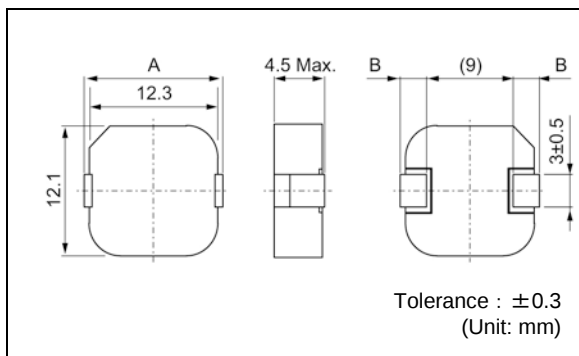
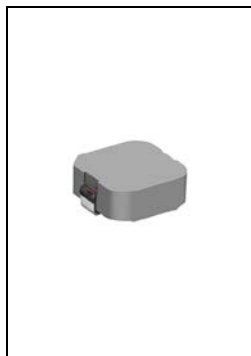
FDUE1245

RoHS

REACH

Inductance Range: 0.50~2.2μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 13.4 × 12.1mm square and 4.5mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- Operating temperature (−20~+100°C)
- 最大13.42 × 12.1毫米的平面，最大高度4.5毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：−20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDUE1245 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)	
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)	A	B
FDUE1245-H-R50M=P3	0.50	± 20	0.80	28 (37)	30 (37)	13.4	2.2
FDUE1245-H-R72M=P3	0.72	± 20	1.63	24 (32)	22 (28)	13.2	2.1
FDUE1245-H-1R5M=P3	1.5	± 20	2.26	17 (22)	21 (27)	13.2	2.1
FDUE1245-H-2R2M=P3	2.2	± 20	3.40	14 (18)	17 (21)	13.2	2.1

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

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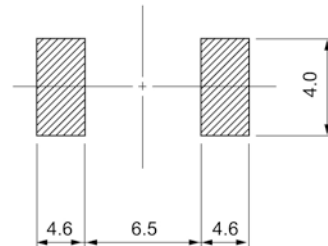
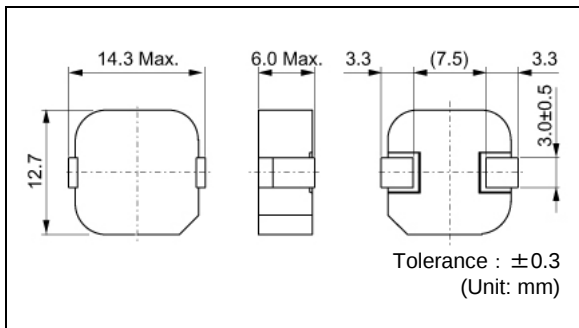
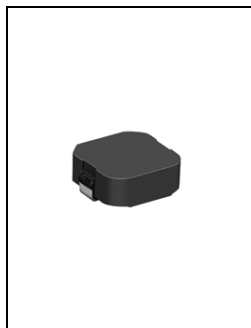
FDUE1260

RoHS

REACH

Inductance Range: 0.45μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 14.3 × 12.7mm square and 6.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensures capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature (−20~+100°C)
- 最大14.3 × 12.7毫米的平面，最大高度6.0毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：−20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDUE1260 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) ±7%	Inductance Decrease Current ⁽³⁾ (A) Typ. $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Typ.
FDUE1260-H-R45N=P3	0.45	±30	0.58	41.8	42.0

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise.
(Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。
(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

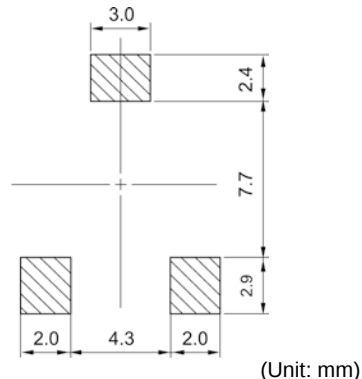
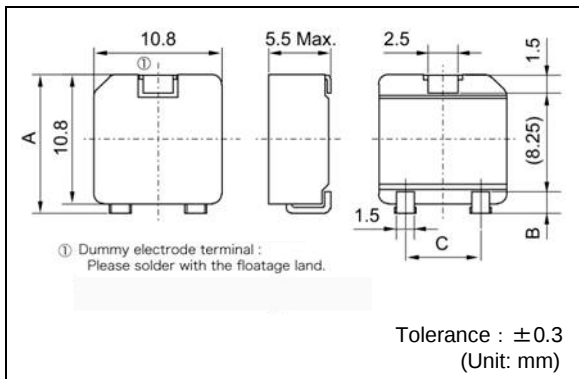
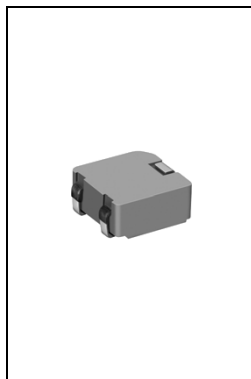
FDA1055

RoHS

REACH

Inductance Range: 0.56~5.6μH

Recommended patterns
推荐焊盘尺寸推奨



FEATURES 特点

- 11.6 × 10.8mm square and 5.5mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- Operating temperature : -20~+100°C
- 最大11.6 × 10.8毫米的平面，最大高度5.5毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-20~+100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDA1055 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)		
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)	A	B	C
FDA1055-H-R56M=P3	0.56	± 20	1.8 (1.42)	27.7 (36.9)	22.7 (28.4)	11.6	1.9	6.5
FDA1055-H-1R2M=P3	1.2	± 20	2.9 (2.34)	20.0 (26.6)	17.9 (22.4)	11.6	1.9	6.5
FDA1055-H-1R5M=P3	1.5	± 20	3.5 (2.80)	18.0 (24.0)	16.6 (20.8)	11.6	1.9	6.5
FDA1055-H-2R2M=P3	2.2	± 20	4.8 (3.94)	15.5 (20.6)	13.6 (17.0)	11.4	1.7	6.4
FDA1055-H-3R3M=P3	3.3	± 20	7.3 (5.92)	11.7 (15.6)	11.2 (14.0)	11.3	1.4	6.4
FDA1055-H-4R7M=P3	4.7	± 20	11.0 (8.93)	9.9 (13.1)	9.1 (11.4)	11.3	1.4	6.4
FDA1055-H-5R6M=P3	5.6	± 20	12.0 (9.9)	8.0 (10.6)	7.5 (9.4)	11.3	1.4	6.4

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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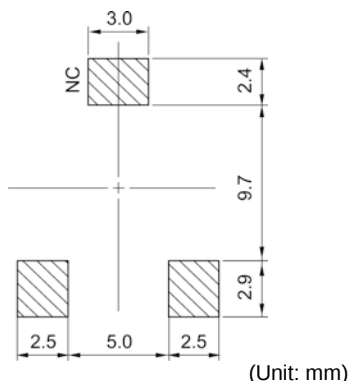
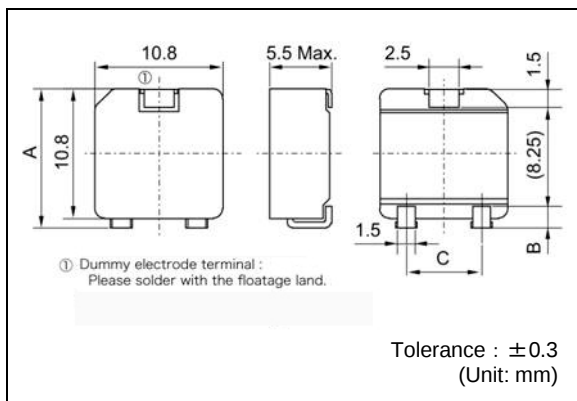
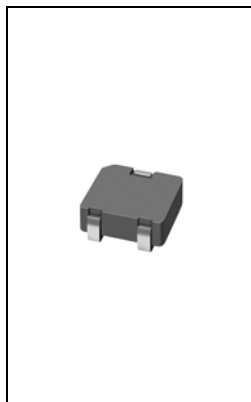
NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

FDA1254

Inductance Range: 0.68~8.0μH

RoHS

REACH



FEATURES 特点

- | | |
|---|---|
| <ul style="list-style-type: none"> • 13.5 × 12.6mm square and 5.4mm Max. height. • Magnetically shielded construction low DC resistance. • The use of magnetic iron powder ensure capability for large current. • Low audible core noise. • Ideal for DC-DC converter applications in hand held personal computer and etc. • Operating temperature : -20~+100°C | <ul style="list-style-type: none"> • 最大13.5 × 12.6毫米的平面，最大高度5.4毫米 • 磁性屏蔽结构，低直流电阻 • 使用合金系磁性粉，保证了大电流 • 低芯片噪音 • DC-DC转换器电感器的理想选择 • 使用温度范围：-20~+100°C |
|---|---|

STANDARD PART NUMBERS 标准零件号码

TYPE FDA1254 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)		
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)	A	B	C
FDA1254-H-R68M=P3	0.68	± 20	1.5 (1.24)	29.1 (38.8)	23.7 (29.7)	13.5	1.8	7.7
FDA1254-H-1R0M=P3	1.0	± 20	2.0 (1.63)	25.2 (33.7)	20.5 (25.7)	13.5	1.8	7.7
FDA1254-H-1R2M=P3	1.2	± 20	2.6 (2.05)	20.2 (26.9)	18.4 (23.1)	13.5	1.8	7.7
FDA1254-H-2R2M=P3	2.2	± 20	4.5 (3.61)	14.7 (19.6)	14.2 (17.8)	13.2	1.5	7.6
FDA1254-H-3R3M=P3	3.3	± 20	7.0 (5.51)	13.1 (17.5)	11.5 (14.4)	12.9	1.2	7.6
FDA1254-H-4R7M=P3	4.7	± 20	8.8 (7.12)	11.2 (14.9)	10.2 (12.8)	12.9	1.2	7.6
FDA1254-H-5R6M=P3	5.6	± 20	9.4 (7.8)	10.8 (14.4)	9.1 (11.4)	12.9	1.2	7.6
FDA1254-H-8R0M=P3	8.0	± 20	16.0 (12.8)	9.1 (12.3)	7.1 (8.9)	12.9	1.2	7.6

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 20% inductance reduction from the initial value.
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低20%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。
(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

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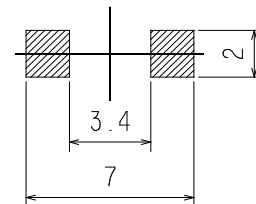
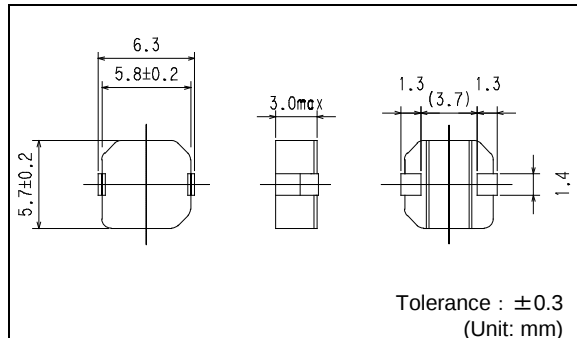
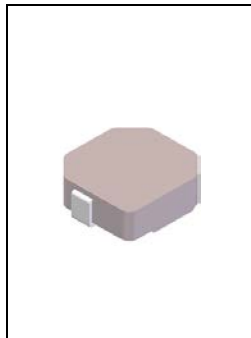
FCUL0530

Low core loss type
低直流电阻型



Inductance Range: 0.36~0.47μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 6.3 × 5.7mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensures capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications.
- Operating temperature : -40~+125°C
- 最大6.3 × 5.7毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE FCUL0530 (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FCUL0530-R36M=P3	0.36	±20	2.40	17 (22)	18 (21)
FCUL0530-R47M=P3	0.47	±20	2.85	14 (18)	16 (19)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 20°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度20°C)
- (5) 绝对最高电压30伏特。

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

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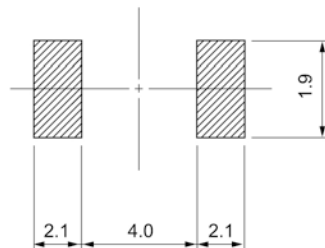
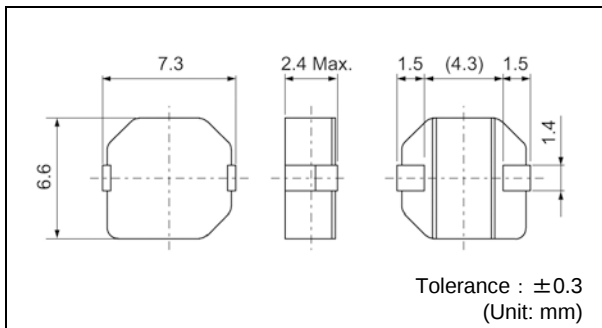
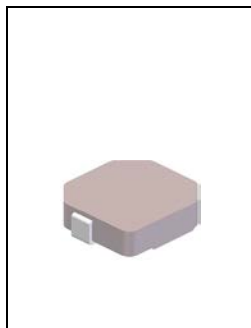
FCUL0624

Low core loss type
低直流电阻型

125°C RoHS REACH

Inductance Range: 0.22~0.47μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 7.3 × 6.6mm square and 2.4mm Max. height.
- Magnetically shielded construction, low DC resistance.
- Suitable for large current
- The use of low loss iron powder ensure capability for high efficiency.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -40~+125°C
- 最大7.3 × 6.6毫米的平面，最大高度2.4毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE FCUL0624 (Quantity/reel; 1500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FCUL0624-H-R22M=P3	0.22	± 20	1.40	23 (30)	24 (28)
FCUL0624-H-R47M=P3	0.47	± 20	3.27	17 (23)	16 (19)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A（Agilent技术）或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A（Agilent技术）或者3541(HIOKI)测试直流电阻。（环境温度为25°C）
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。（参考周围环境温度25°C）
- (5) 绝对最高电压30伏特。

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FCUL0630

Low core loss type
低直流电阻型

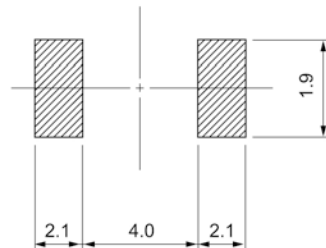
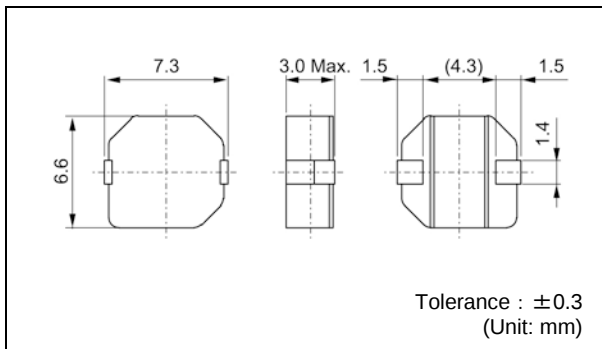
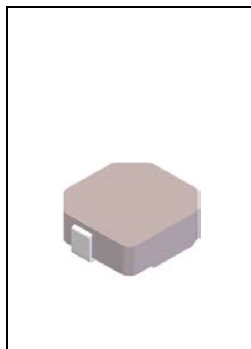
125
°C

RoHS

REACH

Inductance Range: 0.12~0.68μH

Recommended patterns
推荐焊盘尺寸推荐



(Unit: mm)

FEATURES 特点

- 7.3 × 6.6mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- Suitable for large current
- The use of low loss iron powder ensure capability for high efficiency.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -40~+125°C
- 最大7.3 × 6.6毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE FCUL0630 (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FCUL0630-H-R12M=P3	0.12	± 20	0.77	30 (40)	32 (38)
FCUL0630-H-R22M=P3	0.22	± 20	1.12	25 (33)	26 (31)
FCUL0630-H-R36M=P3	0.36	± 20	1.90	18 (24)	21 (25)
FCUL0630-H-R47M=P3	0.47	± 20	2.48	18 (24)	18 (21)
FCUL0630-H-R56M=P3	0.56	± 20	2.83	14 (19)	17 (20)
FCUL0630-H-R68M=P3	0.68	± 20	3.58	14 (19)	15 (18)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

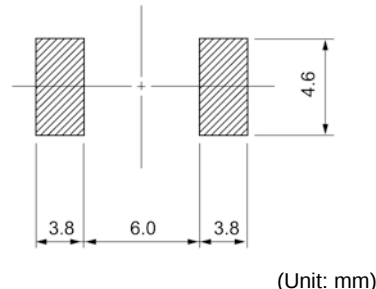
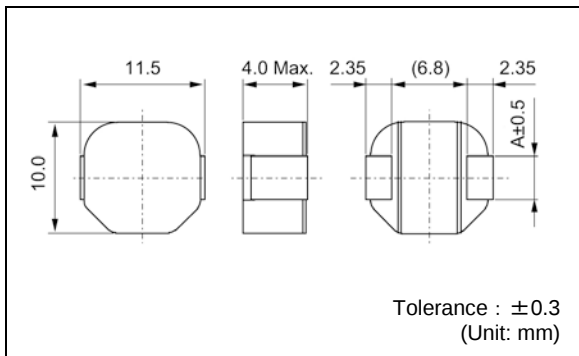
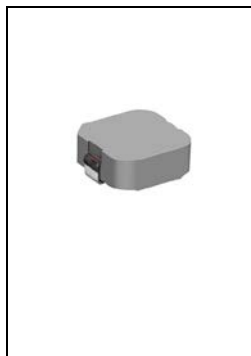
FCUL1040

Low core loss type
低直流电阻型



Inductance Range: 0.18~0.42μH

Recommended patterns
推荐焊盘尺寸推荐



FEATURES 特点

- 11.5 × 10.0mm square and 4.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- Suitable for large current
- The use of low loss iron powder ensure capability for high efficiency.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -40~+125°C
- 最大11.5 × 10.0毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE FCUL1040 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾	尺寸 (mm)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ± 7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)	A
FCUL1040-H-R18M=P3	0.18	± 20	0.54	53 (70)	38 (45)	3.9
FCUL1040-H-R36M=P3	0.36	± 20	0.82	36 (48)	31 (36)	3.9
FCUL1040-H-R42M=P3	0.42	± 20	1.02	34 (45)	30 (35)	3.5

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

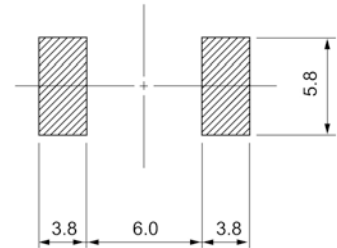
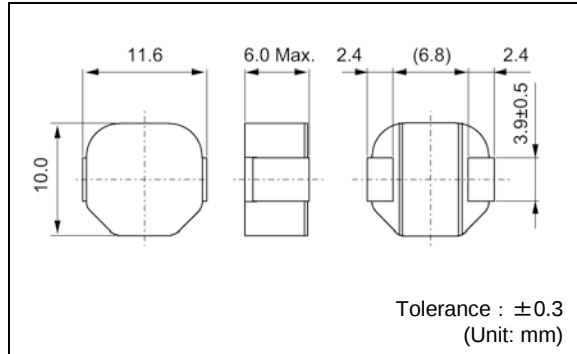
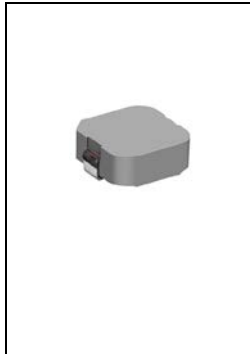
FCUL1060

Low core loss type
低直流电阻型



Inductance Range: 0.36~0.56μH

Recommended patterns
推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 11.6 × 10.0mm square and 6.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- Suitable for large current
- The use of low loss iron powder ensure capability for high efficiency.
- Low audible core noise.
- Ideal for DC-DC converter applications
- Operating temperature : -40~+125°C
- 最大11.6 × 10.0毫米的平面，最大高度6.0毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE FCUL1060 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Tolerance ±7%	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ ΔT=40°C (A) Max. (Typ.)
FCUL1060-H-R36M=P3	0.36	± 20	0.53	41 (54)	41 (48)
FCUL1060-H-R56M=P3	0.56	± 20	0.85	34 (45)	30 (38)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Inductance Decrease Current based upon 30% inductance reduction from the initial value
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.

- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 电感值降低电流是基于电感值从最初的值降低30%计算的。
- (4) 温度升高电流是在温度上升40°C的基础上衡量的。(参考周围环境温度25°C)
- (5) 绝对最高电压30伏特。

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

注意：如果你准备使用该产品作为商业用途等，请确认你与我们的销售部仔细讨论了你的购买计划。

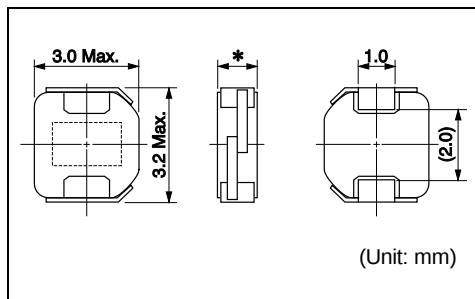
DEM2812C

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°C

RoHS

REACH

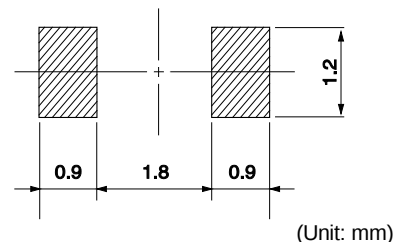
Inductance Range: 0.47~12μH



Note (*) 1.2mm Max. height

Recommended patterns

推荐焊盘尺寸



FEATURES 特点

- Low profile (2.8 × 3.0mm square, 1.2mm Max.height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (− 40~+85°C)
- 薄型构造（最大2.8×3.0毫米的平面，最大高度 1.2毫米）
- 磁性屏蔽结构和低直流电阻
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：− 40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM2812C (Magnetically Shielded, Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
1225AS-H-R47N=P2	0.47	± 30	31 (26)	2.5 (3.4)	3.1 (3.7)
1225AS-H-R68N=P2	0.68	± 30	37 (31)	2.0 (2.7)	2.9 (3.4)
1225AS-H-1R0N=P2	1.0	± 30	43 (36)	1.8 (2.4)	2.7 (3.2)
1225AS-H-1R5N=P2	1.5	± 30	52 (43)	1.5 (2.1)	2.4 (2.8)
1225AS-H-2R2M=P2	2.2	± 20	70 (58)	1.2 (1.6)	2.0 (2.4)
1225AS-H-3R3M=P2	3.3	± 20	96 (80)	1.0 (1.4)	1.5 (1.8)
1225AS-H-4R7M=P2	4.7	± 20	126 (105)	0.88 (1.2)	1.4 (1.6)
1225AS-H-6R8M=P2	6.8	± 20	204 (170)	0.72 (0.96)	1.1 (1.3)
1225AS-H-100M=P2	10	± 20	300 (250)	0.58 (0.77)	0.85 (1.0)
1225AS-H-120M=P2	12	± 20	350 (290)	0.55 (0.73)	0.76 (0.95)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

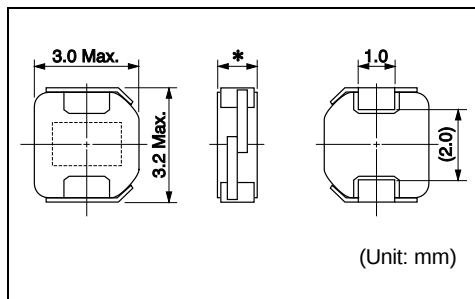
DEM2815C

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°C

RoHS

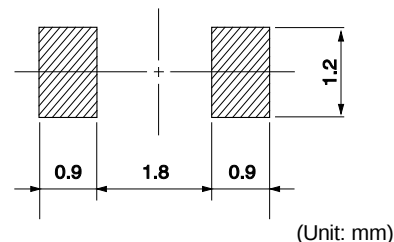
REACH

Inductance Range: 0.47~15μH



Recommended patterns

推荐焊盘尺寸



FEATURES 特点

- Low profile (2.8 × 3.0mm square, 1.5mm Max.height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (− 40~+85°C)
- 薄型构造（最大2.8×3.0毫米的平面，最大高度1.8毫米）
- 磁性屏蔽结构和低直流电阻
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：− 40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM2815C (Magnetically Shielded, Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1226AS-H-R47N=P2	0.47	± 30	24 (20)	2.9 (3.8)	3.9 (4.6)
1226AS-H-1R0N=P2	1.0	± 30	32 (27)	2.1 (2.7)	3.3 (3.9)
1226AS-H-1R5N=P2	1.5	± 30	37 (31)	1.7 (2.3)	2.9 (3.4)
1226AS-H-2R2M=P2	2.2	± 20	52 (43)	1.4 (1.8)	2.2 (2.6)
1226AS-H-2R7M=P2	2.7	± 20	63 (53)	1.3 (1.7)	2.0 (2.4)
1226AS-H-3R3M=P2	3.3	± 20	68 (57)	1.1 (1.5)	1.9 (2.3)
1226AS-H-4R7M=P2	4.7	± 20	96 (80)	0.95 (1.3)	1.6 (1.9)
1226AS-H-6R8M=P2	6.8	± 20	156 (130)	0.80 (1.0)	1.2 (1.5)
1226AS-H-100M=P2	10	± 20	216 (180)	0.65 (0.90)	1.0 (1.2)
1226AS-H-120M=P2	12	± 20	275 (228)	0.60 (0.80)	0.85 (1.0)
1226AS-H-150M=P2	15	± 20	324 (270)	0.50 (0.70)	0.80 (0.95)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

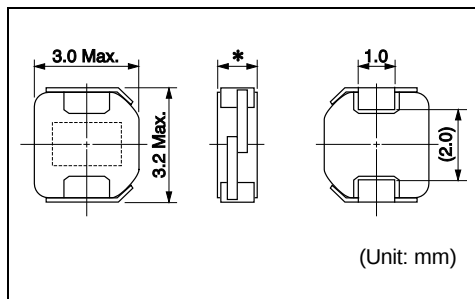
DEM2818C

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°C

RoHS

REACH

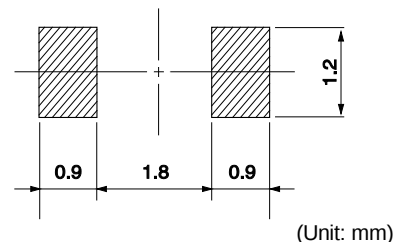
Inductance Range: 0.47~12μH



Note (*) 1.8mm Max. height

Recommended patterns

推荐焊盘尺寸



FEATURES 特点

- Low profile (2.8 × 3.0mm square, 1.8mm Max.height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（最大2.8×3.0毫米的平面，最大高度1.8毫米）
- 磁性屏蔽结构和低直流电阻
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM2818C (Magnetically Shielded, Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
1227AS-H-R47N=P2	0.47	±30	20 (17)	3.3 (4.4)	4.7 (5.5)
1227AS-H-1R0N=P2	1.0	±30	29 (24)	2.3 (3.1)	3.7 (4.3)
1227AS-H-1R5N=P2	1.5	±30	32 (27)	2.0 (2.6)	3.4 (4.0)
1227AS-H-2R2M=P2	2.2	±20	47 (39)	1.7 (2.2)	2.6 (3.1)
1227AS-H-3R3M=P2	3.3	±20	67 (56)	1.3 (1.7)	2.0 (2.4)
1227AS-H-4R7M=P2	4.7	±20	92 (77)	1.1 (1.4)	1.8 (2.1)
1227AS-H-6R8M=P2	6.8	±20	146 (122)	0.90 (1.2)	1.3 (1.5)
1227AS-H-100M=P2	10	±20	204 (170)	0.75 (1.0)	1.2 (1.4)
1227AS-H-120M=P2	12	±20	258 (215)	0.65 (0.87)	1.0 (1.2)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

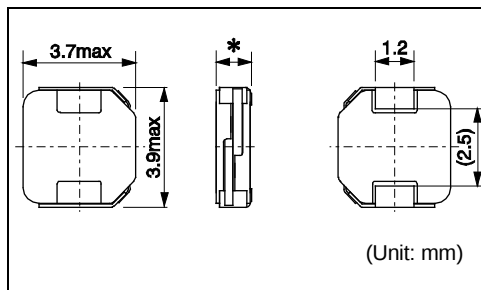
DEM3512C

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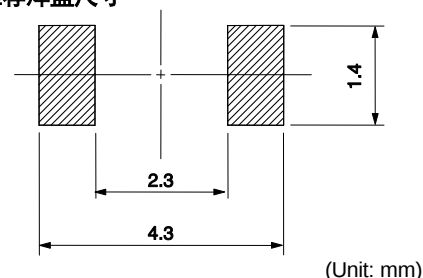
RoHS

REACH

Inductance Range: 0.68~22μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (3.5 × 3.7mm square, 1.2mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（最大3.5x3.7毫米的平面，最大高度1.2毫米）
- 磁性屏蔽结构和低直流电阻
- 是多种DC-DC转换器电感器设备的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM3512C (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1229AS-H-R68N=P3	0.68	± 30	52 (43)	2.50 (3.30)	2.25 (2.65)
1229AS-H-1R0N=P3	1.0	± 30	65 (54)	2.05 (2.75)	1.85 (2.20)
1229AS-H-1R5N=P3	1.5	± 30	75 (62)	1.65 (2.20)	1.80 (2.10)
1229AS-H-2R0M=P3	2.0	± 20	88 (73)	1.50 (2.00)	1.70 (2.00)
1229AS-H-3R3M=P3	3.3	± 20	96 (80)	1.30 (1.75)	1.65 (1.95)
1229AS-H-4R7M=P3	4.7	± 20	126 (105)	1.10 (1.45)	1.35 (1.60)
1229AS-H-6R8M=P3	6.8	± 20	192 (160)	0.90 (1.20)	1.20 (1.40)
1229AS-H-100M=P3	10	± 20	288 (240)	0.75 (1.00)	0.85 (1.00)
1229AS-H-120M=P3	12	± 20	336 (280)	0.65 (0.87)	0.79 (0.93)
1229AS-H-150M=P3	15	± 20	408 (340)	0.59 (0.78)	0.72 (0.84)
1229AS-H-220M=P3	22	± 20	672 (560)	0.50 (0.66)	0.53 (0.62)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

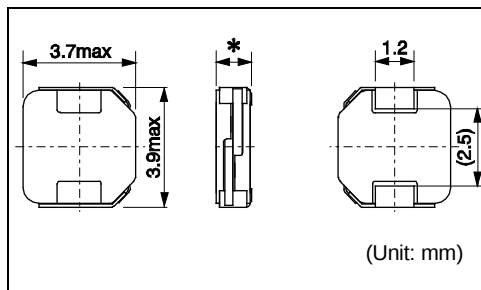
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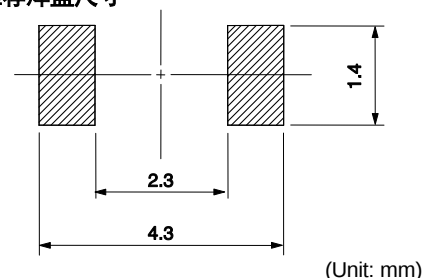
RoHS

REACH

Inductance Range: 0.56~22μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (3.5 × 3.7mm square, 1.8mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（最大3.5x3.7毫米的平面，最大高度1.8毫米）
- 磁性屏蔽结构和低直流电阻
- 是多种DC-DC转换器电感器设备的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM3518C (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1231AS-H-R56N=P3	0.56	± 30	29 (24)	3.30 (4.40)	3.40 (4.00)
1231AS-H-1R2N=P3	1.2	± 30	36 (30)	2.40 (3.20)	2.90 (3.40)
1231AS-H-1R5N=P3	1.5	± 30	42 (35)	2.10 (2.75)	2.70 (3.20)
1231AS-H-2R2M=P3	2.2	± 20	48 (40)	1.90 (2.55)	2.55 (3.00)
1231AS-H-3R3M=P3	3.3	± 20	60 (50)	1.60 (2.10)	2.25 (2.70)
1231AS-H-4R7M=P3	4.7	± 20	72 (60)	1.35 (1.75)	2.00 (2.45)
1231AS-H-6R4M=P3	6.4	± 20	102 (85)	1.15 (1.50)	1.65 (2.00)
1231AS-H-100M=P3	10	± 20	174 (145)	0.90 (1.20)	1.25 (1.50)
1231AS-H-120M=P3	12	± 20	186 (155)	0.85 (1.15)	1.20 (1.45)
1231AS-H-150M=P3	15	± 20	222 (185)	0.80 (1.05)	1.10 (1.30)
1231AS-H-220M=P3	22	± 20	342 (285)	0.65 (0.84)	0.88 (1.05)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

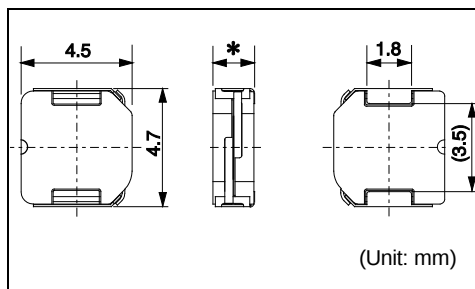
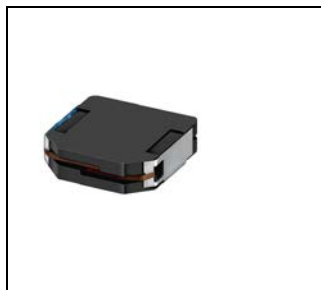
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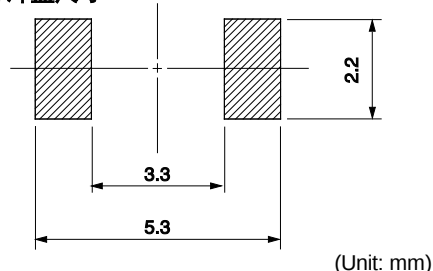
RoHS

REACH

Inductance Range: 1.2~33μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (4.5×4.7mm square, 1.4 mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（4.5×4.7毫米的平面，最大高度1.4毫米）
- 磁性屏蔽结构和低直流电阻
- 是多种DC-DC转换器电感器设备的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM4514C (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
1234AS-H-1R2N=P3	1.2	±30	60 (50)	2.60 (3.45)	2.45 (2.85)
1234AS-H-1R8N=P3	1.8	±30	72 (60)	2.20 (2.95)	2.20 (2.60)
1234AS-H-2R4M=P3	2.4	±20	84 (70)	1.90 (2.55)	2.00 (2.35)
1234AS-H-3R3M=P3	3.3	±20	96 (80)	1.70 (2.25)	1.90 (2.25)
1234AS-H-4R7M=P3	4.7	±20	120 (100)	1.45 (1.90)	1.55 (1.85)
1234AS-H-6R8M=P3	6.8	±20	156 (130)	1.20 (1.55)	1.40 (1.65)
1234AS-H-100M=P3	10	±20	192 (160)	1.00 (1.35)	1.25 (1.50)
1234AS-H-120M=P3	12	±20	228 (190)	0.90 (1.20)	1.10 (1.30)
1234AS-H-150M=P3	15	±20	276 (230)	0.80 (1.05)	1.00 (1.20)
1234AS-H-220M=P3	22	±20	444 (370)	0.65 (0.89)	0.75 (0.89)
1234AS-H-330M=P3	33	±20	648 (540)	0.55 (0.75)	0.63 (0.75)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

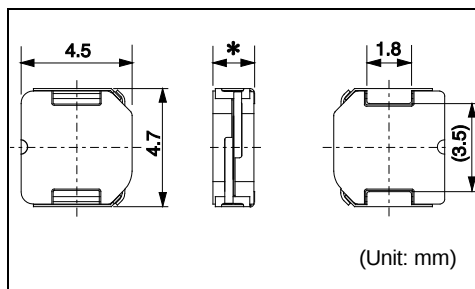
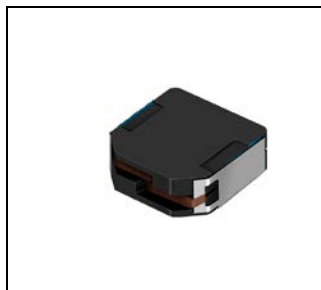
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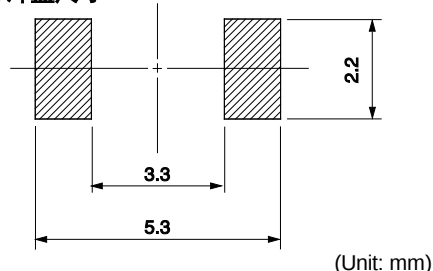
RoHS

REACH

Inductance Range: 1.2~22μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (4.5×4.7mm square, 1.8mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（4.5×4.7毫米的平面，最大高度1.8毫米）
- 磁性屏蔽结构和低直流电阻
- 是多种DC-DC转换器电感器设备的理想选择
- 使用温度范围：−40 ~ +85°C

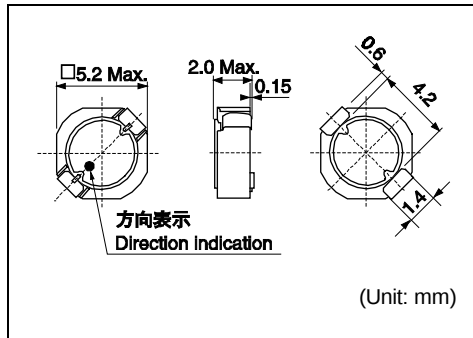
STANDARD PART NUMBERS 标准零件号码

TYPE DEM4518C (Quantity/reel; 2,000 PCS)

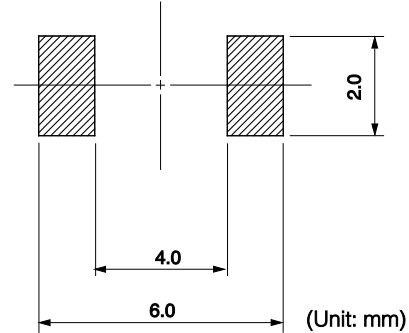
零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1235AS-H-1R2N=P3	1.2	±30	47 (39)	3.50 (4.70)	2.90 (3.40)
1235AS-H-1R8N=P3	1.8	±30	56 (47)	3.00 (3.90)	2.70 (3.20)
1235AS-H-2R4M=P3	2.4	±20	65 (54)	2.60 (3.40)	2.30 (2.70)
1235AS-H-3R3M=P3	3.3	±20	74 (62)	2.30 (3.00)	2.10 (2.50)
1235AS-H-4R3M=P3	4.3	±20	84 (70)	2.00 (2.65)	2.00 (2.40)
1235AS-H-6R8M=P3	6.8	±20	106 (88)	1.70 (2.20)	1.90 (2.20)
1235AS-H-100M=P3	10	±20	132 (110)	1.30 (1.75)	1.70 (2.00)
1235AS-H-150M=P3	15	±20	192 (160)	0.98 (1.30)	1.10 (1.30)
1235AS-H-220M=P3	22	±20	306 (255)	0.91 (1.20)	1.00 (1.20)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (5.2mm Max. square, 2.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40 ~ +85°C)
- 薄型构造（最大5.2毫米的平面，最大高度2.0毫米）
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE D52LC (Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
#A914BYW-1R2M=P3	1.2	± 20	44 (37)	1.94 (2.59)	2.15 (2.88)	2.44 (2.87)
#A914BYW-2R2M=P3	2.2	± 20	59 (49)	1.44 (1.93)	1.63 (2.18)	1.74 (2.06)
#A914BYW-3R5M=P3	3.5	± 20	73 (61)	1.19 (1.59)	1.34 (1.80)	1.54 (1.82)
#A914BYW-4R7M=P3	4.7	± 20	87 (72)	1.01 (1.35)	1.14 (1.52)	1.30 (1.54)
#A914BYW-6R8M=P3	6.8	± 20	105 (84)	0.83 (1.11)	0.95 (1.27)	1.17 (1.38)
#A914BYW-100M=P3	10	± 20	150 (125)	0.67 (0.90)	0.76 (1.03)	0.93 (1.10)
#A914BYW-150M=P3	15	± 20	210 (175)	0.56 (0.76)	0.63 (0.85)	0.77 (0.91)
#A914BYW-220M=P3	22	± 20	275 (230)	0.49 (0.66)	0.56 (0.75)	0.70 (0.83)
#A914BYW-330M=P3	33	± 20	455 (375)	0.39 (0.53)	0.44 (0.59)	0.51 (0.61)
#A914BYW-470M=P3	47	± 20	730 (605)	0.32 (0.43)	0.36 (0.49)	0.38 (0.45)
#A914BYW-680M=P3	68	± 20	935 (780)	0.26 (0.35)	0.30 (0.41)	0.35 (0.42)
#A914BY-101M=P3	100	± 20	1500 (1250)	0.20 (0.28)	0.23 (0.32)	0.26 (0.31)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

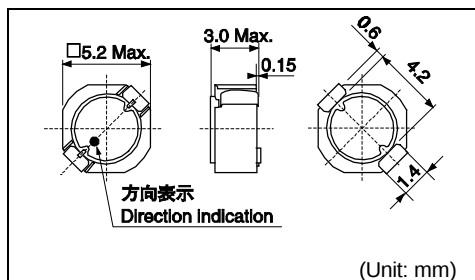
(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

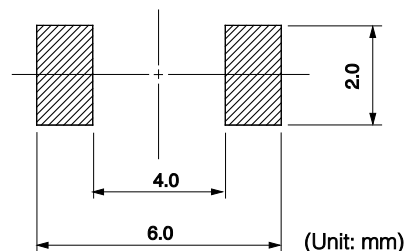
(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (5.2mm Max. square, 3.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications
- Operating temperature (−40~+85°C).
- 薄型构造（最大5.2毫米的平面，最大高度3.0毫米）
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE D53LC (High current Type, Quantity/reel; 2,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
#A915AY-1R1M=P3	1.1	± 20	20 (16)	3.38 (4.50)	3.87 (5.17)	3.46 (4.07)
#A915AY-2R0M=P3	2.0	± 20	27 (22)	2.53 (3.38)	2.92 (3.90)	2.80 (3.30)
#A915AY-3R3M=P3	3.3	± 20	34 (29)	2.01 (2.68)	2.36 (3.15)	2.40 (2.83)
#A915AY-4R7M=P3	4.7	± 20	45 (38)	1.52 (2.03)	1.87 (2.49)	2.13 (2.51)
#A915AY-6R8M=P3	6.8	± 20	68 (57)	1.24 (1.66)	1.51 (2.01)	1.75 (2.06)
#A915AY-100M=P3	10	± 20	90 (75)	1.09 (1.46)	1.33 (1.77)	1.49 (1.76)
#A915AY-150M=P3	15	± 20	142 (118)	0.88 (1.17)	1.05 (1.40)	1.16 (1.37)
#A915AY-220M=P3	22	± 20	208 (173)	0.71 (0.95)	0.86 (1.15)	0.86 (1.01)
#A915AY-330M=P3	33	± 20	257 (214)	0.61 (0.81)	0.72 (0.96)	0.80 (0.94)
#A915AY-470M=P3	47	± 20	352 (293)	0.53 (0.71)	0.62 (0.83)	0.68 (0.80)
#A915AY-680M=P3	68	± 20	525 (437)	0.43 (0.57)	0.51 (0.68)	0.55 (0.65)
#A915AY-101M=P3	100	± 20	801 (667)	0.37 (0.49)	0.43 (0.58)	0.46 (0.55)

TYPE D53LC (Low DC resistance Type, Quantity/reel; 2,000 PCS)

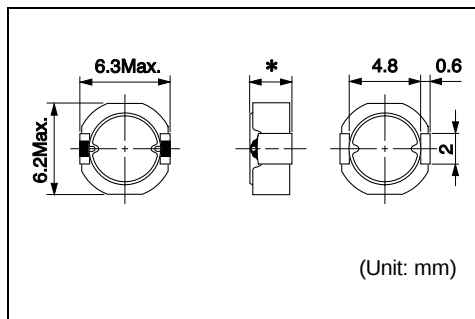
零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
#A915BY-4R7M=P3	4.7	± 20	35 (29)	0.91 (1.21)	1.13 (1.51)	2.31 (2.72)
#A915BY-6R8M=P3	6.8	± 20	50 (42)	0.81 (1.08)	0.99 (1.32)	1.93 (2.27)
#A915BY-100M=P3	10	± 20	67 (56)	0.59 (0.79)	0.74 (0.99)	1.60 (1.88)
#A915BY-150M=P3	15	± 20	97 (81)	0.45 (0.60)	0.58 (0.77)	1.36 (1.60)
#A915BY-220M=P3	22	± 20	135 (112)	0.40 (0.54)	0.51 (0.68)	1.19 (1.40)
#A915BY-330M=P3	33	± 20	206 (172)	0.33 (0.45)	0.41 (0.55)	0.92 (1.09)
#A915BY-470M=P3	47	± 20	268 (224)	0.27 (0.36)	0.34 (0.46)	0.80 (0.94)
#A915BY-680M=P3	68	± 20	371 (309)	0.23 (0.30)	0.29 (0.39)	0.68 (0.80)
#A915BY-101M=P3	100	± 20	569 (474)	0.21 (0.28)	0.26 (0.35)	0.54 (0.64)
#A915BY-151M=P3	150	± 20	940 (785)	0.18 (0.23)	0.21 (0.28)	0.40 (0.47)
#A915BY-221M=P3	220	± 20	1200 (995)	0.15 (0.20)	0.18 (0.24)	0.35 (0.41)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

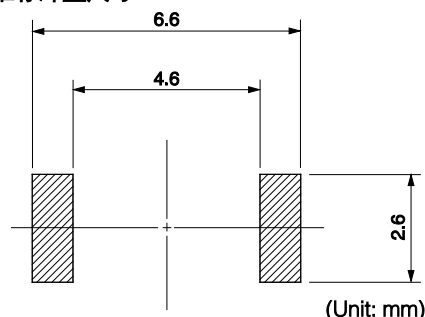
D62LCB

Inductance Range: 0.56~47μH



Note (*) 2.0mm Max. height

Recommended patterns 推荐焊盘尺寸



FEATURES 特点

- Low profile (6.2 × 6.3mm Max. square, 2.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature (−40~+85°C)
- 薄型构造（最大6.2×6.3毫米的平面，最大高度2.0毫米）
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE D62LCB (Low DC resistance Type, Quantity/reel; 1,500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				$\frac{\Delta L}{L} = 10\%$	$\frac{\Delta L}{L} = 30\%$	
#A918CY-1R0M=P3	1.0	±20	17 (14)	2.97 (3.95)	3.50 (4.67)	3.70 (4.35)
#A918CY-1R5M=P3	1.5	±20	21 (17)	2.48 (3.30)	2.94 (3.92)	3.17 (3.74)
#A918CY-2R0M=P3	2.0	±20	29 (24)	2.06 (2.74)	2.47 (3.30)	2.47 (2.91)
#A918CY-3R3M=P3	3.3	±20	47 (39)	1.65 (2.20)	1.99 (2.65)	2.10 (2.47)
#A918CY-4R7M=P3	4.7	±20	66 (55)	1.33 (1.77)	1.59 (2.11)	1.63 (1.93)
#A918CY-6R2M=P3	6.2	±20	74 (62)	1.25 (1.67)	1.49 (1.99)	1.53 (1.81)
#A918CY-8R2M=P3	8.2	±20	102 (85)	1.03 (1.38)	1.25 (1.66)	1.31 (1.54)
#A918CY-100M=P3	10	±20	118 (98)	1.01 (1.35)	1.22 (1.62)	1.15 (1.36)
#A918CY-120M=P3	12	±20	154 (128)	0.82 (1.10)	0.99 (1.32)	1.17 (1.38)
#A918CY-150M=P3	15	±20	179 (149)	0.79 (1.06)	0.94 (1.25)	0.87 (1.03)
#A918CY-180M=P3	18	±20	207 (172)	0.70 (0.93)	0.83 (1.11)	0.95 (1.12)
#A918CY-220M=P3	22	±20	253 (211)	0.67 (0.89)	0.80 (1.06)	0.78 (0.92)
#A918CY-270M=P3	27	±20	331 (275)	0.55 (0.73)	0.65 (0.87)	0.68 (0.81)
#A918CY-330M=P3	33	±20	368 (306)	0.54 (0.72)	0.63 (0.85)	0.64 (0.76)
#A918CE-390M=P3	39	±20	473 (394)	0.46 (0.61)	0.55 (0.73)	0.59 (0.70)
#A918CE-470M=P3	47	±20	542 (452)	0.42 (0.57)	0.50 (0.67)	0.55 (0.65)

continued from previous page 接上页

STANDARD PART NUMBERS 标准零件号码

TYPE D62LCB (High current Type, Quantity/reel; 1,500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				$\frac{\Delta L}{L} = 10\%$	$\frac{\Delta L}{L} = 30\%$	
#A918BY-R56N=P3	0.56	± 30	18 (14)	5.9 (7.9)	7.1 (9.4)	4.3 (5.0)
#A918BY-R91N=P3	0.91	± 30	25 (21)	4.6 (6.1)	5.7 (7.4)	3.4 (4.0)
#A918BY-1R3N=P3	1.3	± 30	29 (24)	3.8 (5.1)	4.8 (6.3)	3.1 (3.7)
#A918BY-1R8N=P3	1.8	± 30	42 (35)	3.2 (4.2)	3.9 (5.2)	2.5 (3.0)
#A918BY-2R4N=P3	2.4	± 30	50 (42)	2.9 (3.8)	3.5 (4.6)	2.3 (2.7)
#A918BY-3R3N=P3	3.3	± 30	64 (53)	2.4 (3.2)	3.0 (4.0)	2.0 (2.4)
#A918BY-3R9N=P3	3.9	± 30	86 (72)	2.2 (2.9)	2.7 (3.5)	1.7 (2.0)
#A918BY-4R7M=P3	4.7	± 20	107 (89)	2.0 (2.7)	2.4 (3.2)	1.5 (1.8)
#A918BY-5R6M=P3	5.6	± 20	130 (110)	1.9 (2.5)	2.2 (3.0)	1.3 (1.5)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 100kHz

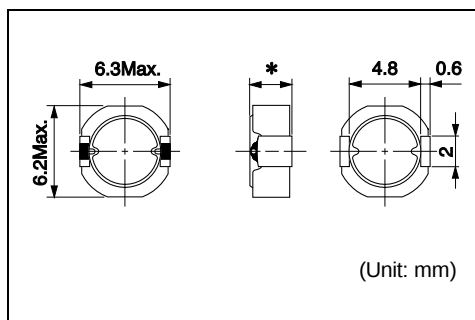
(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

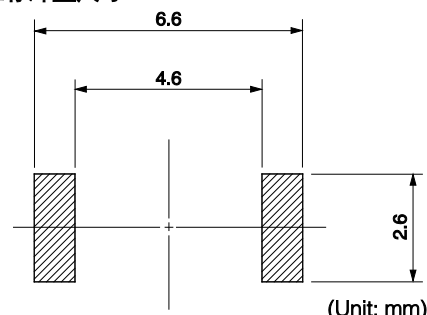
(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个: 引起电感值从最初值降低30%, 或者线圈温度升高40°C。(参考周围环境温度20°C)。



Note (*) 3.0mm Max. height

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Low profile (6.2 × 6.3mm Max. square, 3.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC-DC converter inductor applications
- Operating temperature (−40~+85°C)
- 薄型构造（最大6.2×6.3毫米的平面，最大高度3.0毫米）
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 是适用于多种DC-DC转换器电感器的理想选择
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE D63LCB (Quantity/reel; 1,500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				$\frac{\Delta L}{L} = 10\%$	$\frac{\Delta L}{L} = 30\%$	
#A921CY-1R0M=P3	1.0	±20	14 (11)	2.95 (4.06)	3.59 (4.79)	4.52 (5.32)
#A921CY-1R5M=P3	1.5	±20	16 (13)	2.41 (3.35)	2.93 (3.92)	3.78 (4.45)
#A921CY-2R2M=P3	2.2	±20	20 (16)	1.99 (2.72)	2.42 (3.24)	3.51 (4.13)
#A921CY-3R6M=P3	3.6	±20	26 (21)	1.55 (2.00)	1.89 (2.53)	3.01 (3.54)
#A921CY-4R7M=P3	4.7	±20	33 (27)	1.36 (1.70)	1.66 (2.22)	2.58 (3.03)
#A921CY-6R2M=P3	6.2	±20	39 (32)	1.18 (1.58)	1.45 (1.93)	2.28 (2.69)
#A921CY-100M=P3	10.0	±20	59 (49)	0.93 (1.22)	1.14 (1.52)	1.91 (2.25)
#A921CY-120M=P3	12.0	±20	63 (52)	0.85 (1.10)	1.04 (1.39)	1.80 (2.12)
#A921CY-150M=P3	15.0	±20	75 (62)	0.76 (1.02)	0.93 (1.25)	1.73 (2.04)
#A921CY-180M=P3	18.0	±20	89 (74)	0.69 (0.93)	0.85 (1.14)	1.58 (1.86)
#A921CY-220M=P3	22.0	±20	115 (95)	0.62 (0.80)	0.77 (1.03)	1.34 (1.58)
#A921CY-270M=P3	27.0	±20	144 (120)	0.56 (0.74)	0.70 (0.93)	1.14 (1.35)
#A921CY-330M=P3	33.0	±20	168 (140)	0.51 (0.70)	0.63 (0.84)	1.01 (1.19)
#A921CY-390M=P3	39.0	±20	180 (150)	0.47 (0.66)	0.58 (0.77)	0.98 (1.16)
#A921CY-470M=P3	47.0	±20	225 (185)	0.43 (0.56)	0.53 (0.71)	0.89 (1.05)
#A921CY-560M=P3	56.0	±20	264 (220)	0.39 (0.52)	0.48 (0.65)	0.82 (0.97)
#A921CY-680M=P3	68.0	±20	324 (270)	0.35 (0.45)	0.44 (0.59)	0.73 (0.87)
#A921CY-820M=P3	82.0	±20	396 (330)	0.32 (0.44)	0.40 (0.54)	0.64 (0.76)
#A921CY-101M=P3	100.0	±20	498 (415)	0.29 (0.40)	0.36 (0.49)	0.58 (0.69)
#A921CY-151M=P3	150.0	±20	738 (615)	0.25 (0.33)	0.31 (0.41)	0.44 (0.52)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.

Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

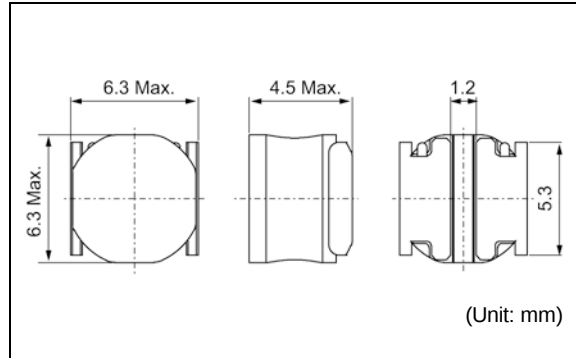
(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

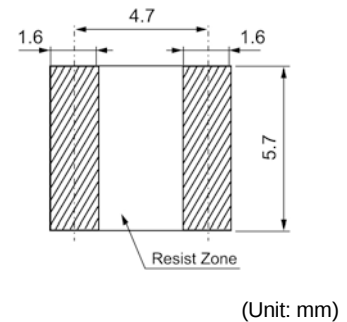
(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DG6045C

Inductance Range: 1.0~100μH



Recommended patterns 推荐焊盘尺寸



FEATURES 特点

- Magnetic Shield.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature range : -40~+85°C
- 闭磁路构造
- 最适用于各种设备的DC-DC Converter 中
- 使用温度范围: -40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DG6045C (Quantity/reel; 1500 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1255AY-1R0N=P3	1.0	±30	100	12.0 (10)	9.5(13)	6.5(8.1)
1255AY-1R2N=P3	1.2	±30	100	14.4 (12)	8.4 (11)	5.9 (7.4)
1255AY-1R8N=P3	1.8	±30	100	16.8 (14)	6.8 (9.1)	5.3 (6.6)
1255AY-2R2N=P3	2.2	±30	100	19.2 (16)	6.3 (8.4)	4.7 (5.9)
1255AY-2R7N=P3	2.7	±30	100	21.6 (18)	5.6 (7.5)	4.6 (5.7)
1255AY-3R3N=P3	3.3	±30	100	25.2 (21)	5.2 (6.9)	4.4 (5.5)
1255AY-3R9N=P3	3.9	±30	100	26.4 (22)	4.7 (6.3)	4.2 (5.2)
1255AY-4R7M=P3	4.7	±20	100	27.6 (23)	4.5 (6.0)	4.0 (4.7)
1255AY-6R8M=P3	6.8	±20	100	43.2 (36)	3.6 (4.8)	3.4 (4.2)
1255AY-100M=P3	10	±20	100	56.4 (47)	3.1 (4.1)	2.9 (3.6)
1255AY-150M=P3	15	±20	100	75.6 (63)	2.5 (3.3)	2.4 (3.0)
1255AY-220M=P3	22	±20	100	117.6 (98)	2.0 (2.7)	1.9 (2.4)
1255AY-270M=P3	27	±20	100	162.0 (135)	1.8 (2.4)	1.8 (2.1)
1255AY-330M=P3	33	±20	100	174.0 (145)	1.7 (2.2)	1.5 (1.9)
1255AY-470M=P3	47	±20	100	252.0 (210)	1.4 (1.9)	1.3 (1.6)
1255AY-680M=P3	68	±20	100	372.0 (310)	1.2 (1.6)	1.0 (1.3)
1255AY-101M=P3	100	± 20	100	552.0(460)	0.9 (1.2)	0.9 (1.1)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个: 引起电感值从最初值降低30%, 或者线圈温度升高40°C。(参考周围环境温度20°C)。

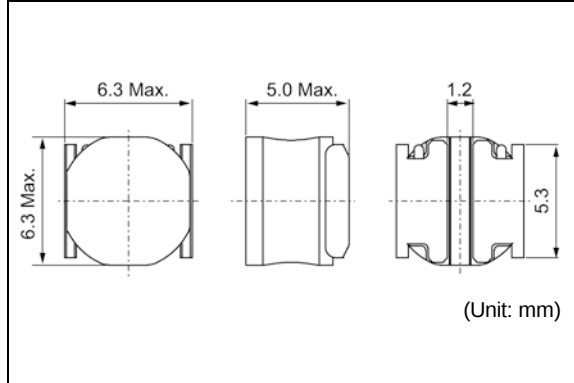
DG6050C

85
°C

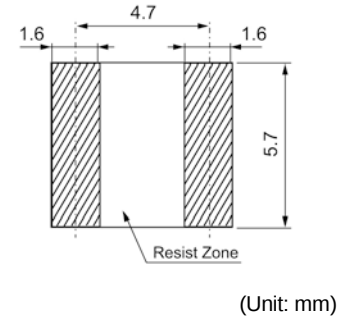
RoHS

REACH

Inductance Range: 1.2~100μH



Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- Magnetic Shield.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature range : -40~+85°C
- 闭磁路构造
- 最适用于各种设备的DC-DC Converter 中
- 使用温度范围: -40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DG6050C (Quantity/reel; 1500 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) ΔT=40°C
1264EY-1R2N=P3	1.2	±30	100	14.4 (12)	9.8 (13)	6.3 (7.4)
1264EY-1R5N=P3	1.5	±30	100	16.8 (14)	8.3 (11)	5.5 (6.5)
1264EY-2R2N=P3	2.2	±30	100	19.2 (16)	7.8 (10)	5.3 (6.2)
1264EY-3R3N=P3	3.3	±30	100	25.2 (21)	6.5 (8.6)	4.8 (5.6)
1264EY-4R7M=P3	4.7	±20	100	34.8 (29)	5.4 (7.2)	3.7 (4.4)
1264EY-6R8M=P3	6.8	±20	100	42.0 (35)	4.4 (5.9)	3.4 (4.0)
1264EY-100M=P3	10	±20	100	54.0 (45)	3.5 (4.7)	3.1 (3.6)
1264EY-150M=P3	15	±20	100	104.4 (87)	3.0 (4.0)	2.1 (2.5)
1264EY-220M=P3	22	±20	100	132.0 (110)	2.3 (3.0)	1.8 (2.2)
1264EY-330M=P3	33	±20	100	204.0 (170)	1.9 (2.5)	1.4 (1.7)
1264EY-470M=P3	47	±20	100	312.0 (260)	1.7 (2.3)	1.2 (1.4)
1264EY-680M=P3	68	±20	100	390.0 (325)	1.4 (1.9)	1.1 (1.3)
1264EY-101M=P3	100	±20	100	552.0 (460)	1.2 (1.6)	0.9 (1.1)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

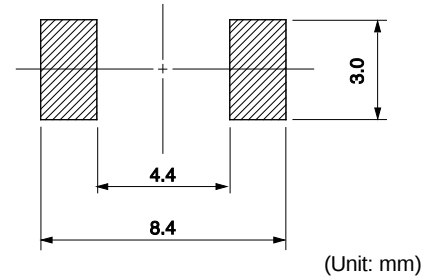
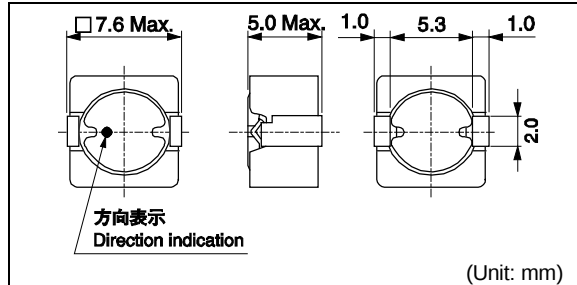
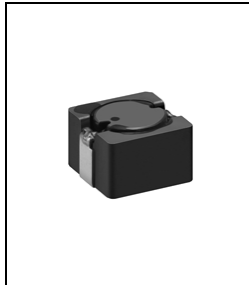
- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个: 引起电感值从最初值降低30%, 或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS75LC



Inductance Range: 1.0~470μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 7.6 mm Max. square and 5.0 mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature : -40~+85°C
- 最大7.6毫米的平面，最大高度5.0毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS75LC (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
B1047AS-1R0N=P3	1.0	± 30	12 (10)	9.2 (12.3)	6.4 (7.6)
B1047AS-1R5N=P3	1.5	± 30	14 (11)	7.7 (10.3)	5.9 (7.0)
B1047AS-2R2N=P3	2.2	± 30	16 (13)	6.5 (8.7)	5.5 (6.5)
B1047AS-2R7N=P3	2.7	± 30	18 (15)	5.6 (7.6)	5.1 (6.0)
B1047AS-3R6N=P3	3.6	± 30	23 (19)	5.0 (6.7)	4.4 (5.2)
B1047AS-4R7N=P3	4.7	± 30	26 (21)	4.5 (6.0)	4.1 (4.9)
B1047AS-5R6N=P3	5.6	± 30	32 (27)	4.0 (5.4)	3.5 (4.1)
B1047AS-6R8N=P3	6.8	± 30	36 (30)	3.6 (4.9)	3.4 (4.0)
B1047AS-8R2N=P3	8.2	± 30	42 (35)	3.2 (4.3)	3.0 (3.6)
B1047AS-100M=P3	10	± 20	53 (44)	2.9 (3.9)	2.7 (3.2)
B1047AS-120M=P3	12	± 20	63 (52)	2.7 (3.7)	2.4 (2.8)
B1047AS-150M=P3	15	± 20	71 (59)	2.4 (3.3)	2.2 (2.6)
B1047AS-180M=P3	18	± 20	110 (84)	2.2 (2.9)	1.9 (2.2)
B1047AS-220M=P3	22	± 20	120 (92)	2.0 (2.7)	1.8 (2.1)
B1047AS-270M=P3	27	± 20	130 (105)	1.8 (2.5)	1.6 (1.9)
B1047AS-330M=P3	33	± 20	170 (135)	1.64 (2.2)	1.5 (1.7)
B1047AS-390M=P3	39	± 20	180 (145)	1.50 (2.0)	1.4 (1.6)
B1047AS-470M=P3	47	± 20	200 (160)	1.38 (1.8)	1.3 (1.5)
B1047AS-560M=P3	56	± 20	230 (185)	1.24 (1.7)	1.2 (1.4)
B1047AS-680M=P3	68	± 20	280 (230)	1.13 (1.5)	1.0 (1.2)
B1047AS-820M=P3	82	± 20	320 (260)	1.00 (1.4)	0.94 (1.1)
B1047AS-101M=P3	100	± 20	460 (380)	0.94 (1.3)	0.77 (0.91)
B1047AS-151M=P3	150	± 20	710 (585)	0.76 (1.0)	0.60 (0.71)
B1047AS-221M=P3	220	± 20	1100 (915)	0.62 (0.8)	0.47 (0.55)
B1047AS-331M=P3	330	± 20	1400 (1160)	0.51 (0.7)	0.41 (0.48)
B1047AS-471M=P3	470	± 20	1700 (1400)	0.43 (0.6)	0.37 (0.44)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

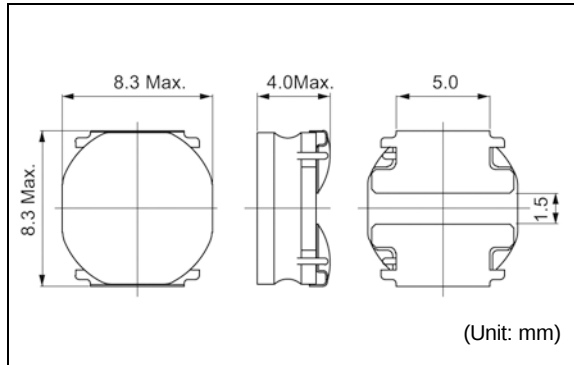
DG8040C

Inductance Range: 1.0~100μH

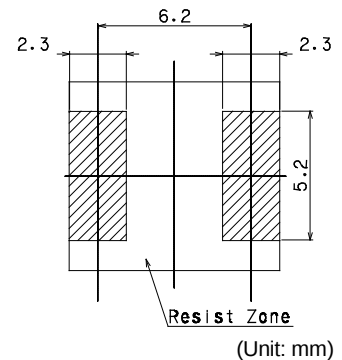
85
°C

RoHS

REACH



Recommended patterns 推荐焊盘尺寸



FEATURES 特点

- Magnetic Shield.
- Ideal for a variety of DC-DC converter inductor applications.
- Operating temperature range : -40~+85°C
- 闭磁路构造
- 最适用于各种设备的DC-DC Converter 中
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DG8040C (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
1267AY-1R0N=P3	1.0	±30	100	8.4 (7)	10.4 (13.8)	8.4 (9.9)
1267AY-1R5N=P3	1.5	±30	100	10.8 (9)	8.2 (10.9)	7.3 (8.6)
1267AY-2R2N=P3	2.2	±30	100	13.2 (11)	7.4 (9.8)	6.5 (7.7)
1267AY-3R3N=P3	3.3	±30	100	15.6 (13)	6.1 (8.1)	6.1 (7.2)
1267AY-4R7N=P3	4.7	±30	100	20.4 (17)	5.1 (6.8)	5.3 (6.2)
1267AY-6R8N=P3	6.8	±30	100	26.4 (22)	4.0 (5.3)	4.5 (5.3)
1267AY-100M=P3	10	±20	100	39.6 (33)	3.3 (4.5)	3.9 (4.5)
1267AY-150M=P3	15	±20	100	58.8 (49)	2.6 (3.5)	3.2 (3.8)
1267AY-220M=P3	22	±20	100	74.4 (62)	2.3 (3.0)	2.8 (3.2)
1267AY-330M=P3	33	±20	100	120.0 (100)	1.9 (2.5)	2.2 (2.6)
1267AY-470M=P3	47	±20	100	168.0 (140)	1.6 (2.1)	1.9 (2.2)
1267AY-680M=P3	68	±20	100	240.0 (200)	1.3 (1.7)	1.6 (1.9)
1267AY-101M=P3	100	±20	100	336.0 (280)	1.1 (1.4)	1.3 (1.5)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

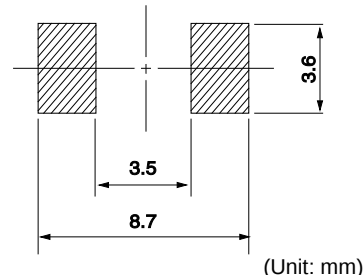
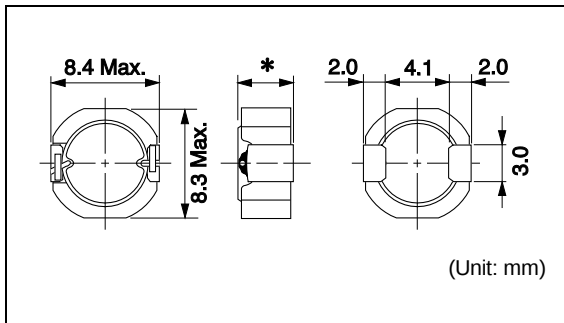
(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS85LCB



Inductance Range: 1.0~100μH

Recommended patterns 推荐焊盘尺寸



Note (*) 5.0mm Max. height.

FEATURES 特点

- 8.4 × 8.3mm Max. square, 5.0mm Max. height).
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature : -40~+85°C
- 最大8.4×8.3毫米的平面，最大高度5.0毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS85LCB (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L =10% ΔL/L =30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
B1135AS-1R0N=P3	1.0	±30	9.6 (8.0)	7.8 (10.4)	10.1 (13.4)
B1135AS-1R5N=P3	1.5	±30	11 (9.3)	6.3 (8.4)	8.3 (11.0)
B1135AS-2R2N=P3	2.2	±30	13 (11)	5.5 (7.3)	7.1 (9.5)
B1135AS-2R7N=P3	2.7	±30	14 (12)	4.7 (6.3)	6.2 (8.3)
B1135AS-3R6N=P3	3.6	±30	17 (14)	4.2 (5.6)	5.6 (7.4)
B1135AS-4R7N=P3	4.7	±30	21 (17)	3.7 (5.0)	4.9 (6.6)
B1135AS-6R8N=P3	6.8	±30	29 (25)	3.1 (4.1)	4.1 (5.4)
B1135AS-100M=P3	10	±20	45 (38)	2.4 (3.2)	3.2 (4.3)
B1135AS-150M=P3	15	±20	64 (53)	2.0 (2.7)	2.6 (3.5)
B1135AS-220M=P3	22	±20	84 (70)	1.7 (2.3)	2.2 (3.0)
B1135AS-330M=P3	33	±20	110 (90)	1.4 (1.9)	1.8 (2.4)
B1135AS-470M=P3	47	±20	150 (125)	1.2 (1.6)	1.5 (2.1)
B1135AS-680M=P3	68	±20	235 (195)	0.97 (1.3)	1.3 (1.7)
B1135AS-101M=P3	100	±20	330 (275)	0.79 (1.1)	1.1 (1.4)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DEM8030C

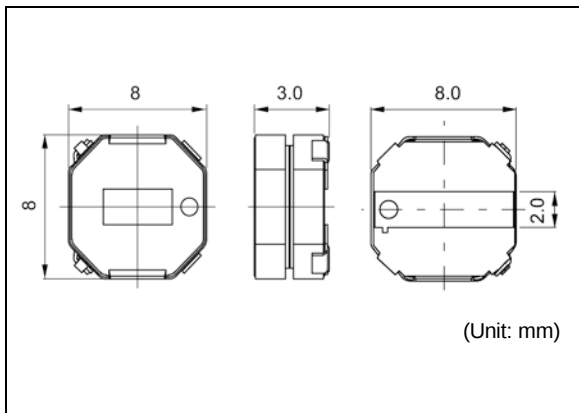
85
°C

RoHS

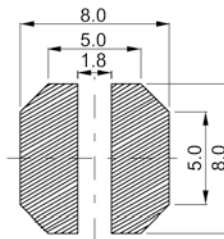
REACH

Inductance Range: 1.5~47μH

Recommended patterns
推荐焊盘尺寸



Note (*) 3.0mm Max. height



(Unit: mm)

FEATURES 特点

- 8.3×8.3mm Max. square, 3.0mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature (−40~+85°C)
- 最大8.3×8.3毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- Operating temperature (−40 ~ +85°C)

STANDARD PART NUMBERS 标准零件号码

TYPE DEM8030C (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1273AS-H-1R5N=P3	1.5	±30	10.0 (8.3)	7.5(10)	7.3(8.6)
1273AS-H-2R2N=P3	2.2	±30	13.2 (11)	6.2(8.2)	6.5(7.7)
1273AS-H-3R3N=P3	3.3	±30	19.2 (16)	5.2(6.9)	5.4(6.3)
1273AS-H-4R7N=P3	4.7	±30	22.8 (19)	4.4(5.9)	4.9(5.8)
1273AS-H-6R8N=P3	6.8	±30	37.2 (31)	3.4(4.5)	3.7(4.4)
1273AS-H-100M=P3	10	±20	54.0 (45)	2.9(3.8)	3.1(3.6)
1273AS-H-150M=P3	15	±20	78.0 (65)	2.4(3.2)	2.6(3.1)
1273AS-H-220M=P3	22	±20	126.0 (105)	2.0 (2.7)	2.0 (2.4)
1273AS-H-330M=P3	33	±20	174.0 (145)	1.6 (2.1)	1.9 (2.2)
1273AS-H-470M=P3	47	±20	289.0 (241)	1.3(1.7)	1.3(1.5)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

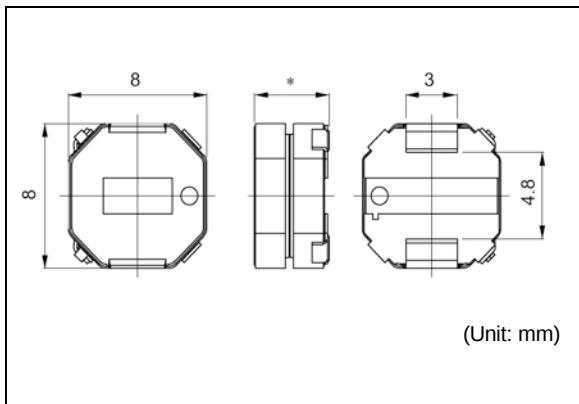
(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DEM8040C

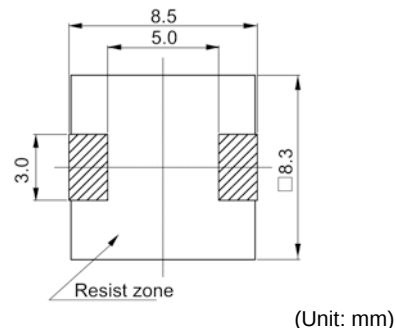


Inductance Range: 1.5~33μH



Note (*) 4.0mm Max. height

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 8.3×8.3mm Max. square, 4.0mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature (−40~+85°C)
- 最大8.3×8.3毫米的平面，最大高度4.0毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM8040C (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
1248AS-H-1R5N=P3	1.5	±30	10.1 (8.4)	10.0 (14.0)	8.0 (9.4)
1248AS-H-2R2N=P3	2.2	±30	13.2 (11)	8.6 (12.0)	7.0 (8.3)
1248AS-H-3R3N=P3	3.3	±30	19.2 (16)	7.2 (9.4)	5.6 (6.6)
1248AS-H-4R7N=P3	4.7	±30	22.8 (19)	6.2 (8.4)	5.3 (6.2)
1248AS-H-6R8N=P3	6.8	±30	36.0 (30)	4.8 (6.6)	4.2 (4.9)
1248AS-H-100M=P3	10	±20	52.8 (44)	4.1 (5.4)	3.4 (4.0)
1248AS-H-150M=P3	15	±20	78.0 (65)	3.4 (4.6)	2.7 (3.2)
1248AS-H-220M=P3	22	±20	126.0 (105)	2.8 (3.7)	2.2 (2.6)
1248AS-H-330M=P3	33	±20	168.0 (140)	2.4 (3.1)	1.8 (2.2)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DEM8045C

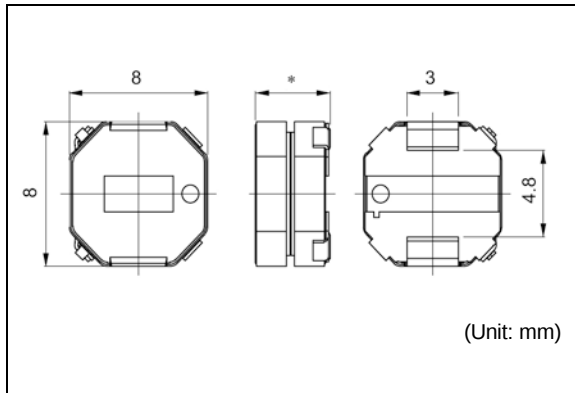
85
°C

RoHS

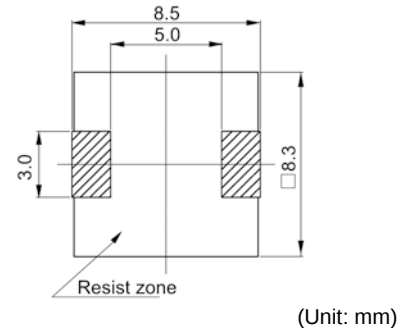
REACH

Inductance Range: 1.5~47μH

Recommended patterns
推荐焊盘尺寸



Note (*) 4.5mm Max. height



FEATURES 特点

- 8.3×8.3mm Max. square, 4.5mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature (−40~+85°C)
- 最大8.3×8.3毫米的平面，最大高度4.5毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM8045C (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
1217AS-H-1R5N=P3	1.5	±30	7.6 (6.5)	11.2 (15.0)	9.4 (11.0)
1217AS-H-2R2N=P3	2.2	±30	9.9 (8.3)	9.3 (12.4)	8.7 (10.0)
1217AS-H-3R3N=P3	3.3	±30	14.4 (12)	7.7 (10.3)	6.8 (8.0)
1217AS-H-4R7N=P3	4.7	±30	18.0 (15)	6.7 (9.0)	6.3 (7.4)
1217AS-H-5R6N=P3	5.6	±30	22.8 (19)	6.1 (8.1)	5.4 (6.4)
1217AS-H-6R8N=P3	6.8	±30	27.6 (23)	5.2 (7.0)	4.8 (5.6)
1217AS-H-8R2M=P3	8.2	±20	33.6 (28)	4.8 (6.4)	4.5 (5.3)
1217AS-H-100M=P3	10	±20	39.6 (33)	4.3 (5.7)	3.9 (4.6)
1217AS-H-150M=P3	15	±20	52.8 (44)	3.3 (4.4)	3.5 (4.1)
1217AS-H-180M=P3	18	±20	76.8 (64)	3.2 (4.3)	2.9 (3.4)
1217AS-H-220M=P3	22	±20	93.6 (78)	2.9 (3.9)	2.4 (2.8)
1217AS-H-330M=P3	33	±20	132.0 (110)	2.3 (3.1)	2.2 (2.6)
1217AS-H-470M=P3	47	±20	204.0 (170)	2.1 (2.8)	1.8 (2.1)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。
(参考周围环境温度20°C)。

DEM8045C

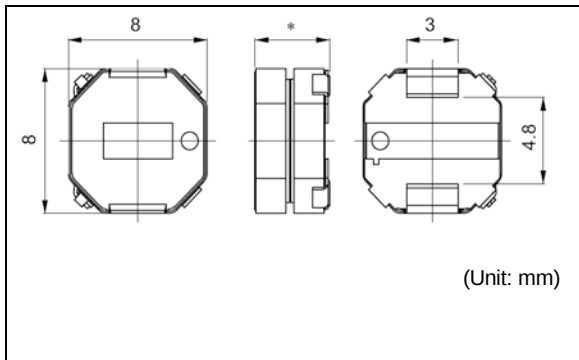
AEC-Q200

125°C

RoHS

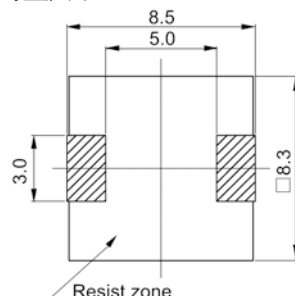
REACH

Inductance Range: 1.5~47μH



Note (*) 4.5mm Max. height

Recommended patterns 推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- AEC-Q200 Compliant.
- 8.3×8.3mm Max. square, 4.5mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large currents.
- Operating temperature (−40 ~ +125°C)
- 符合AEC-Q200
- 最大8.3×8.3毫米的平面，最大高度4.5毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- 使用温度范围：−40 ~ +125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM8045C (Quantity/reel; 1000 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
DD1217AS-H-1R5N=P3	1.5	±30	7.6 (6.5)	11.2 (15.0)	9.4 (11.0)
DD1217AS-H-2R2N=P3	2.2	±30	9.9 (8.3)	9.3 (12.4)	8.7 (10.0)
DD1217AS-H-3R3N=P3	3.3	±30	14.4 (12)	7.7 (10.3)	6.8 (8.0)
DD1217AS-H-4R7N=P3	4.7	±30	18.0 (15)	6.7 (9.0)	6.3 (7.4)
DD1217AS-H-5R6N=P3	5.6	±30	22.8 (19)	6.1 (8.1)	5.4 (6.4)
DD1217AS-H-6R8N=P3	6.8	±30	27.6 (23)	5.2 (7.0)	4.8 (5.6)
DD1217AS-H-8R2M=P3	8.2	±20	33.6 (28)	4.8 (6.4)	4.5 (5.3)
DD1217AS-H-100M=P3	10	±20	39.6 (33)	4.3 (5.7)	3.9 (4.6)
DD1217AS-H-150M=P3	15	±20	52.8 (44)	3.3 (4.4)	3.5 (4.1)
DD1217AS-H-180M=P3	18	±20	76.8 (64)	3.2 (4.3)	2.9 (3.4)
DD1217AS-H-220M=P3	22	±20	93.6 (78)	2.9 (3.9)	2.4 (2.8)
DD1217AS-H-330M=P3	33	±20	132.0 (110)	2.3 (3.1)	2.2 (2.6)
DD1217AS-H-470M=P3	47	±20	204.0 (170)	2.1 (2.8)	1.8 (2.1)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

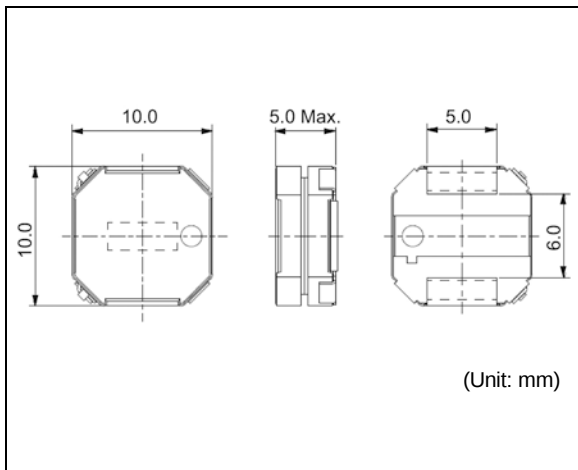
DEM10050C

85
°C

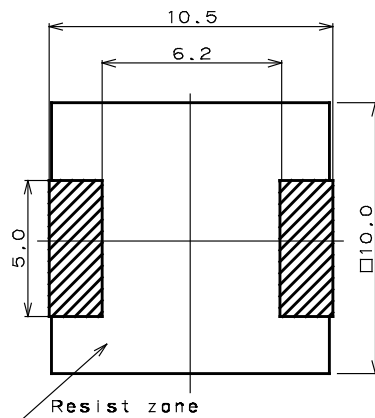
RoHS

REACH

Inductance Range: 1.5~33μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- 10.3×10.3mm Max. square, 5.0mm Max. height.
- Magnetically shielded construction, low magnetic flux leakage from top of coil
- Low DC resistance for using flat wire
- Suitable for large currents.
- Operating temperature (−40~+85°C)
- 最大10.3×10.3毫米的平面，最大高度5.0毫米
- 磁性屏蔽结构和低直流电阻
- 采用平角线、低直流电阻
- 适合大电流
- 使用温度范围：−40 ~ +85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM10050C (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ)Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				ΔL/L=10%	ΔL/L=30%	
1274AS-H-1R5N=P3	1.5	±30	7.7 (6.4)	11.5 (15.3)	15.3 (20.4)	8.9 (10.5)
1274AS-H-2R2N=P3	2.2	±30	9.6 (8.0)	9.4 (12.5)	12.6 (16.8)	8.0 (9.5)
1274AS-H-3R3N=P3	3.3	±30	11.4 (9.5)	8.0 (10.6)	10.8 (14.4)	7.4 (8.7)
1274AS-H-4R7N=P3	4.7	±30	13.5 (11.2)	7.1 (9.4)	9.5 (12.7)	6.7 (7.9)
1274AS-H-5R6N=P3	5.6	±30	18.3 (15.2)	6.2 (8.2)	8.3 (11.1)	6.3 (7.5)
1274AS-H-6R8N=P3	6.8	±30	21.3 (17.7)	5.6 (7.5)	7.5 (10.0)	5.4 (6.4)
1274AS-H-8R2M=P3	8.2	±20	26.4 (22.0)	5.3 (7.1)	6.8 (9.1)	4.8 (5.6)
1274AS-H-100M=P3	10	±20	30.4 (25.3)	4.6 (6.1)	6.2 (8.2)	4.4 (5.2)
1274AS-H-150M=P3	15	±20	42.3 (35.2)	3.7 (4.9)	5.1 (6.8)	3.9 (4.6)
1274AS-H-220M=P3	22	±20	68.1 (56.7)	3.1 (4.1)	4.2 (5.6)	2.9 (3.4)
1274AS-H-330M=P3	33	±20	93.6 (78.0)	2.6 (3.5)	3.5 (4.7)	2.5 (3.0)

- (1) Inductance is measured with a LCR meter 4284A(Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DEM10050C

AEC-Q200

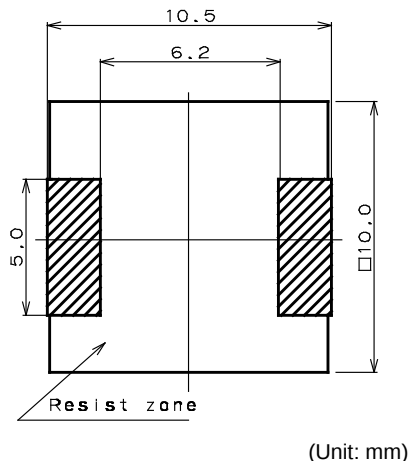
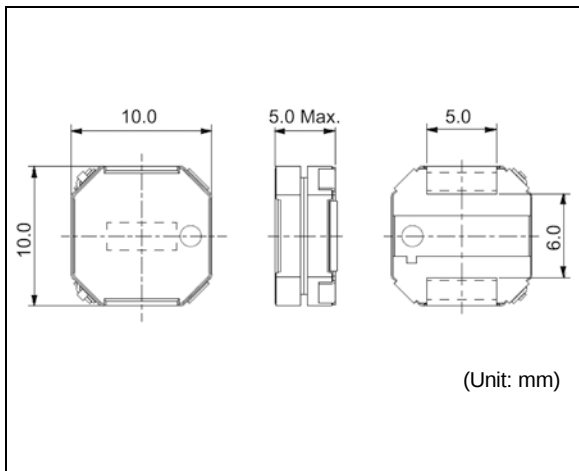
125°C

RoHS

REACH

Inductance Range: 1.5~33μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- AEC-Q200 Compliant.
- 10.3× 10.3mm Max. square, 5.0mm Max. height.
- Magnetically shielded construction, low magnetic flux leakage from top of coil
- Low DC resistance for using flat wire
- Suitable for large currents.
- Operating temperature (− 40~+125°C)
- 符合AEC-Q200
- 最大10.3×10.3毫米的平面，最大高度5.0毫米
- 磁性屏蔽结构和低直流电阻
- 采用平角线、低直流电阻
- 适合大电流
- 使用温度范围：− 40 ~ +125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DEM10050C (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ)Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				ΔL/L=10%	ΔL/L=30%	
DD1274AS-H-1R5N=P3	1.5	±30	7.7 (6.4)	11.5 (15.3)	15.3 (20.4)	8.9 (10.5)
DD1274AS-H-2R2N=P3	2.2	±30	9.6 (8.0)	9.4 (12.5)	12.6 (16.8)	8.0 (9.5)
DD1274AS-H-3R3N=P3	3.3	±30	11.4 (9.5)	8.0 (10.6)	10.8 (14.4)	7.4 (8.7)
DD1274AS-H-4R7N=P3	4.7	±30	13.5 (11.2)	7.1 (9.4)	9.5 (12.7)	6.7 (7.9)
DD1274AS-H-5R6N=P3	5.6	±30	18.3 (15.2)	6.2 (8.2)	8.3 (11.1)	6.3 (7.5)
DD1274AS-H-6R8N=P3	6.8	±30	21.3 (17.7)	5.6 (7.5)	7.5 (10.0)	5.4 (6.4)
DD1274AS-H-8R2M=P3	8.2	±20	26.4 (22.0)	5.3 (7.1)	6.8 (9.1)	4.8 (5.6)
DD1274AS-H-100M=P3	10	±20	30.4 (25.3)	4.6 (6.1)	6.2 (8.2)	4.4 (5.2)
DD1274AS-H-150M=P3	15	±20	42.3 (35.2)	3.7 (4.9)	5.1 (6.8)	3.9 (4.6)
DD1274AS-H-220M=P3	22	±20	68.1 (56.7)	3.1 (4.1)	4.2 (5.6)	2.9 (3.4)
DD1274AS-H-330M=P3	33	±20	93.6 (78.0)	2.6 (3.5)	3.5 (4.7)	2.5 (3.0)

- (1) Inductance is measured with a LCR meter 4284A(Agilent Technologies) or equivalent. Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低30%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS104C2

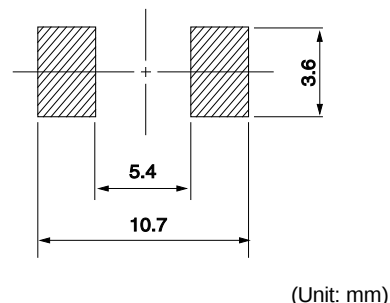
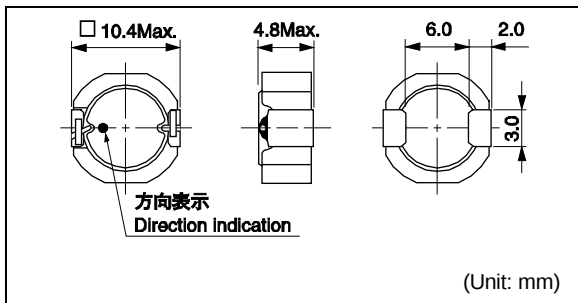
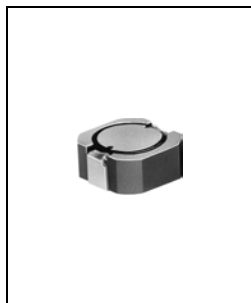
85
°C

RoHS

REACH

Inductance Range: 1.1~120μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 10.4mm Max. square and 4.8mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- Operating temperature : -40~+85°C
- 最大10.4毫米的平面，最大高度4.8毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS104C2 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.)	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max.(Typ.)
#B952AS-H-1R1N=P3	1.1	± 30	11 (9)	11.7 (15.6)	6.0 (7.6)
#B952AS-H-1R8N=P3	1.8	± 30	14 (11)	8.7 (11.7)	5.4 (6.8)
#B952AS-H-2R7N=P3	2.7	± 30	16 (13)	7.3 (9.7)	4.9 (6.2)
#B952AS-H-3R9N=P3	3.9	± 30	18 (15)	5.8 (7.7)	4.6 (5.9)
#B952AS-H-5R1N=P3	5.1	± 30	26 (21)	4.9 (6.6)	3.8 (4.7)
#B952AS-H-6R8N=P3	6.8	± 30	35 (29)	4.5 (6.0)	3.1 (3.9)
#B952AS-H-8R2N=P3	8.2	± 30	40 (33)	4.1 (5.6)	2.9 (3.7)
#B952AS-H-100M=P3	10	± 20	44 (36)	3.6 (4.9)	2.7 (3.4)
#B952AS-H-120M=P3	12	± 20	51 (42)	3.3 (4.5)	2.5 (3.2)
#B952AS-H-150M=P3	15	± 20	62 (51)	3.1 (4.2)	2.3 (2.9)
#B952AS-H-180M=P3	18	± 20	79 (66)	2.7 (3.6)	2.0 (2.5)
#B952AS-H-220M=P3	22	± 20	87 (72)	2.4 (3.2)	1.9 (2.4)
#B952AS-H-270M=P3	27	± 20	100 (82)	2.2 (3.0)	1.8 (2.3)
#B952AS-H-330M=P3	33	± 20	125 (100)	2.0 (2.7)	1.6 (2.0)
#B952AS-H-390M=P3	39	± 20	150 (125)	1.8 (2.5)	1.4 (1.8)
#B952AS-H-470M=P3	47	± 20	175 (145)	1.7 (2.3)	1.3 (1.6)
#B952AS-H-560M=P3	56	± 20	195 (160)	1.5 (2.0)	1.2 (1.5)
#B952AS-H-680M=P3	68	± 20	240 (200)	1.3 (1.8)	1.1 (1.3)
#B952AS-H-820M=P3	82	± 20	295 (245)	1.2 (1.7)	1.0 (1.2)
#B952AS-H-101M=P3	100	± 20	380 (315)	1.1 (1.5)	0.9 (1.1)
#B952AS-H-121M=P3	120	± 20	460 (380)	0.97 (1.3)	0.8 (1.0)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller.(Reference ambient temperature: 20°C)

- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS104LC

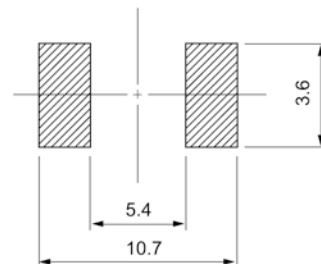
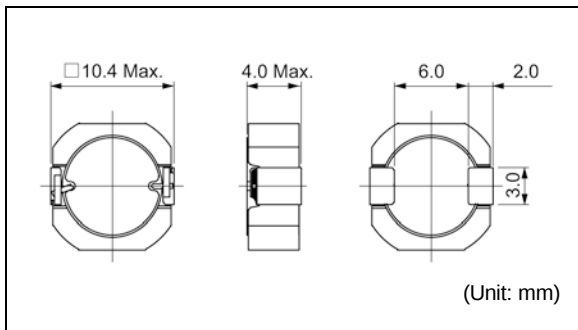
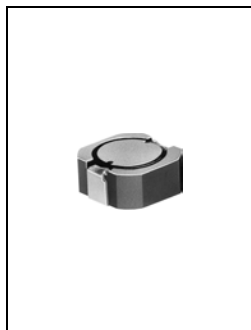
85
°C

RoHS

REACH

Inductance Range: 1.0~100μH

Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- 10.4mm Max. square and 4.0mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- Operating temperature : -40~+85°C
- 最大10.4毫米的平面，最大高度4.0毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS104LC (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)	最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 35\%$	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
B1179BS-1R0N=P3	1.0	± 30	5.7 (4.8)	13 (17)	9.5 (11)
B1179BS-1R5N=P3	1.5	± 30	8.1 (6.7)	11 (14)	8.2 (9.6)
B1179BS-2R2N=P3	2.2	± 30	9.4 (7.8)	8.4 (11)	6.9 (8.1)
B1179BS-3R3N=P3	3.3	± 30	13 (10)	7.3 (9.7)	6.0 (7.1)
B1179BS-3R8N=P3	3.8	± 30	16 (12)	6.4 (8.6)	5.4 (6.4)
B1179BS-5R6N=P3	5.6	± 30	21 (17)	5.5 (7.3)	4.7 (5.5)
B1179BS-6R8N=P3	6.8	± 30	24 (20)	5.0 (6.7)	4.1 (4.8)
B1179BS-100M=P3	10	± 20	31 (26)	4.2 (5.6)	3.6 (4.3)
B1179BS-150M=P3	15	± 20	56 (46)	3.3 (4.4)	2.8 (3.3)
B1179BS-220M=P3	22	± 20	74 (62)	2.7 (3.6)	2.3 (2.7)
B1179BS-330M=P3	33	± 20	100 (87)	2.2 (3.0)	1.8 (2.1)
B1179BS-470M=P3	47	± 20	140 (120)	1.9 (2.5)	1.6 (1.9)
B1179BS-680M=P3	68	± 20	190 (160)	1.6 (2.1)	1.3 (1.6)
B1179BS-101M=P3	100	± 20	290 (240)	1.3 (1.7)	1.1 (1.3)

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)
- (3) Maximum allowable DC current is that which causes a 35% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature: 20°C)

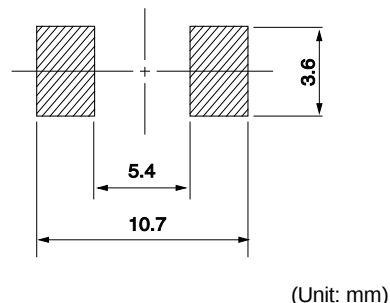
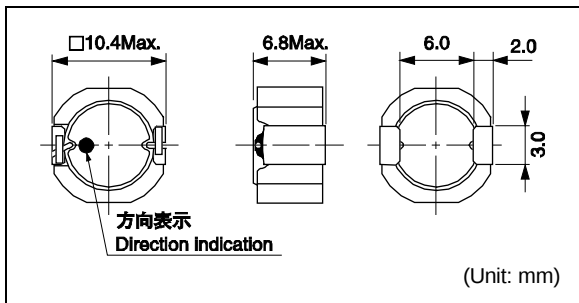
- (1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。
- (2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)
- (3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低35%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS106C2



Inductance Range: 1.2~330μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 10.4mm Max. square and 6.8mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- Operating temperature : -40~+85°C
- 最大10.4毫米的平面，最大高度6.8毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS106C2 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ L (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				ΔL/L=10%	ΔL/L=30%	
#B966AS-1R2N=P3	1.2	± 30	11 (9)	12.0 (16.5)	16.8 (22.4)	7.2 (8.5)
#B966AS-1R8N=P3	1.8	± 30	14 (11)	9.8 (13.0)	13.1 (17.4)	6.7 (8.0)
#B966AS-2R7N=P3	2.7	± 30	15 (12)	8.1 (10.5)	10.8 (14.4)	6.1 (7.3)
#B966AS-3R9N=P3	3.9	± 30	17 (14)	7.1 (9.4)	9.4 (12.5)	5.6 (6.7)
#B966AS-4R7N=P3	4.7	± 30	18 (15)	6.1 (8.1)	8.1 (10.8)	5.4 (6.4)
#B966AS-6R8N=P3	6.8	± 30	21 (17)	5.2 (7.0)	7.0 (9.3)	5.0 (6.0)
#B966AS-8R2N=P3	8.2	± 30	24 (20)	4.8 (6.5)	6.5 (8.6)	4.6 (5.5)
#B966AS-100M=P3	10	± 20	28 (23)	4.4 (5.9)	5.8 (7.8)	4.3 (5.1)
#B966AS-120M=P3	12	± 20	35 (29)	3.9 (5.2)	5.3 (7.0)	3.7 (4.4)
#B966AS-160M=P3	16	± 20	60 (50)	3.3 (4.4)	4.4 (5.9)	2.7 (3.2)
#B966BS-180M=P3	18	± 20	60 (50)	2.8 (3.8)	3.7 (4.9)	2.6 (3.1)
#B966BS-220M=P3	22	± 20	65 (54)	2.7 (3.6)	3.5 (4.6)	2.5 (3.0)
#B966BS-270M=P3	27	± 20	74 (61)	2.4 (3.2)	3.1 (4.1)	2.3 (2.8)
#B966BS-330M=P3	33	± 20	83 (69)	2.1 (2.8)	2.8 (3.7)	2.2 (2.6)
#B966BS-390M=P3	39	± 20	93 (77)	1.9 (2.6)	2.5 (3.4)	2.0 (2.5)
#B966BS-470M=P3	47	± 20	120 (97)	1.8 (2.4)	2.3 (3.1)	1.8 (2.2)
#B966BS-560M=P3	56	± 20	145 (120)	1.6 (2.2)	2.1 (2.9)	1.6 (2.0)
#B966BS-680M=P3	68	± 20	190 (155)	1.4 (1.9)	1.9 (2.5)	1.4 (1.7)
#B966BS-101M=P3	100	± 20	255 (210)	1.2 (1.6)	1.6 (2.1)	1.2 (1.4)
#B966BS-151M=P3	150	± 20	385 (320)	1.0 (1.3)	1.3 (1.8)	0.97 (1.1)
#B966BS-221M=P3	220	± 20	610 (505)	0.84 (1.1)	1.1 (1.4)	0.76 (0.85)
#B966BS-271M=P3	270	± 20	690 (575)	0.75 (1.0)	0.97 (1.3)	0.71 (0.80)
#B966BS-331M=P3	330	± 20	760 (630)	0.69 (0.92)	0.88 (1.2)	0.68 (0.80)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller.(Reference ambient temperature: 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

DS126C2

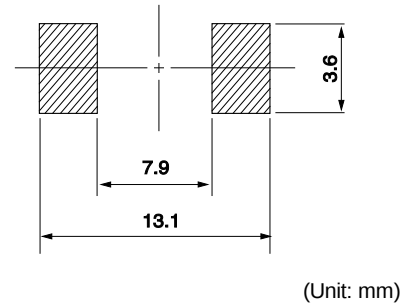
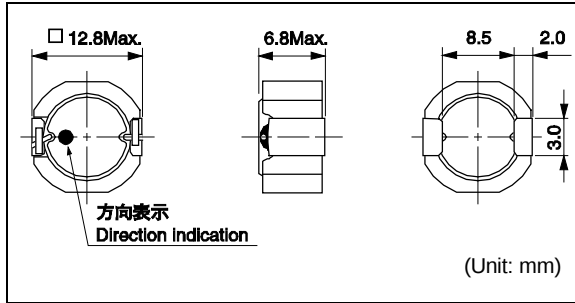
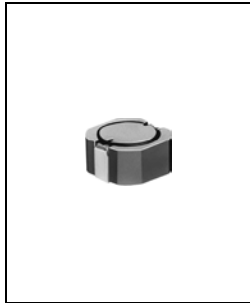
85
°C

RoHS

REACH

Inductance Range: 1.7~680μH

Recommended patterns
推荐焊盘尺寸



FEATURES 特点

- 12.8mm Max. square and 6.8mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- Operating temperature : -40~+85°C
- 最大12.8毫米的平面，最大高度6.8毫米
- 磁性屏蔽结构和低直流电阻
- 适合于大电流
- DC-DC转换器电感器的理想选择
- 使用温度范围：-40~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DS126C2 (Quantity/reel; 500 PCS)

零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾ (典型)	最大电感值减小电流 ⁽³⁾ (典型)		最大温度上升电流 ⁽³⁾ (典型)
Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max.(Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.)		Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
				ΔL/L=10%	ΔL/L=30%	
#B953AS-1R7N=P3	1.7	± 30	10 (8)	11.8 (15.8)	15.8 (21.1)	7.7 (9.6)
#B953AS-2R7N=P3	2.7	± 30	11 (9)	9.0 (12.1)	11.9 (15.9)	7.0 (8.8)
#B953AS-3R9N=P3	3.9	± 30	14 (11)	7.9 (10.6)	10.3 (13.8)	6.0 (7.6)
#B953AS-5R6N=P3	5.6	± 30	16 (13)	6.8 (9.1)	8.9 (11.9)	5.6 (7.1)
#B953AS-7R5N=P3	7.5	± 30	17 (14)	5.7 (7.7)	7.5 (10.0)	5.1 (6.3)
#B953AS-100M=P3	10	± 20	23 (19)	5.5 (7.4)	7.3 (9.8)	4.4 (5.5)
#B953AS-120M=P3	12	± 20	27 (22)	5.0 (6.7)	6.5 (8.7)	4.0 (5.0)
#B953AS-150M=P3	15	± 20	32 (26)	4.5 (6.0)	5.9 (7.9)	3.6 (4.5)
#B953AS-180M=P3	18	± 20	40 (33)	4.1 (5.6)	5.5 (7.3)	3.2 (4.0)
#B953AS-220M=P3	22	± 20	46 (38)	3.6 (4.8)	4.6 (6.2)	2.9 (3.8)
#B953AS-270M=P3	27	± 20	50 (41)	3.2 (4.3)	4.2 (5.6)	2.8 (3.6)
#B953AS-330M=P3	33	± 20	64 (53)	3.0 (4.0)	3.9 (5.2)	2.4 (3.1)
#B953AS-390M=P3	39	± 20	74 (61)	2.7 (3.6)	3.5 (4.7)	2.2 (2.8)
#B953AS-470M=P3	47	± 20	82 (68)	2.4 (3.3)	3.3 (4.4)	2.1 (2.6)
#B953AS-560M=P3	56	± 20	105 (87)	2.0 (2.7)	2.6 (3.5)	1.9 (2.4)
#B953AS-680M=P3	68	± 20	120 (96)	1.7 (2.3)	2.3 (3.1)	1.7 (2.2)
#B953AS-820M=P3	82	± 20	145 (120)	1.6 (2.3)	2.2 (2.9)	1.6 (2.1)
#B953AS-101M=P3	100	± 20	170 (140)	1.5 (2.0)	2.0 (2.6)	1.4 (1.8)
#B953AS-121M=P3	120	± 20	185 (150)	1.3 (1.9)	1.8 (2.4)	1.3 (1.7)
#B953AS-151M=P3	150	± 20	235 (195)	1.2 (1.6)	1.6 (2.1)	1.2 (1.5)
#B953AS-181M=P3	180	± 20	290 (240)	1.1 (1.5)	1.5 (2.0)	1.1 (1.4)
#B953AS-221M=P3	220	± 20	350 (290)	1.0 (1.4)	1.3 (1.8)	1.0 (1.3)
#B953AS-271M=P3	270	± 20	415 (345)	0.93 (1.2)	1.2 (1.6)	0.92 (1.2)
#B953AS-331M=P3	330	± 20	495 (410)	0.83 (1.1)	1.1 (1.5)	0.83 (1.1)
#B953AS-391M=P3	390	± 20	610 (505)	0.76 (1.0)	1.0 (1.4)	0.77 (1.0)
#B953AS-471M=P3	470	± 20	705 (585)	0.67 (0.90)	0.89 (1.2)	0.70 (0.90)
#B953AS-561M=P3	560	± 20	900 (750)	0.62 (0.83)	0.83 (1.1)	0.64 (0.81)
#B953AS-681M=P3	680	± 20	1120 (930)	0.55 (0.74)	0.72 (0.97)	0.58 (0.73)

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541 (HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature: 20°C)

(1) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

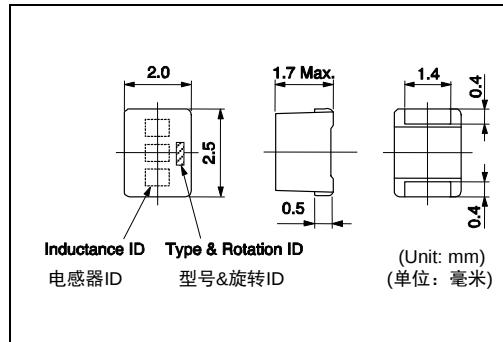
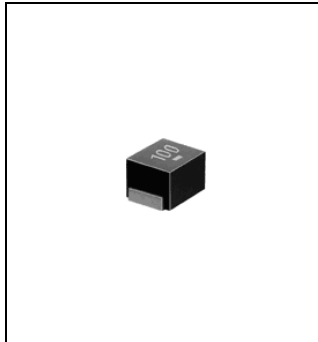
(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。(参考周围环境温度20°C)。

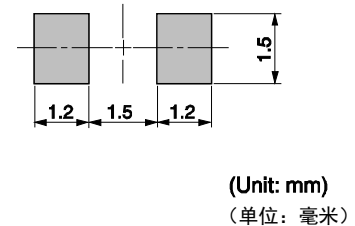
LLB2520



(Previous name FSLB2520) (原名 FSLB2520)
Inductance Range/电感值范围: 1~47 μ H (E-6)



Recommended patterns 推荐焊盘尺寸



FEATURES 特点

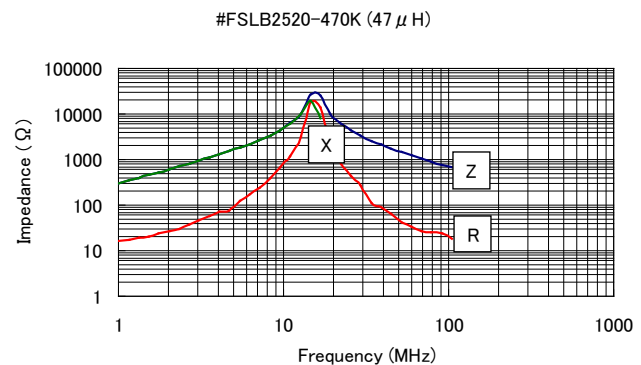
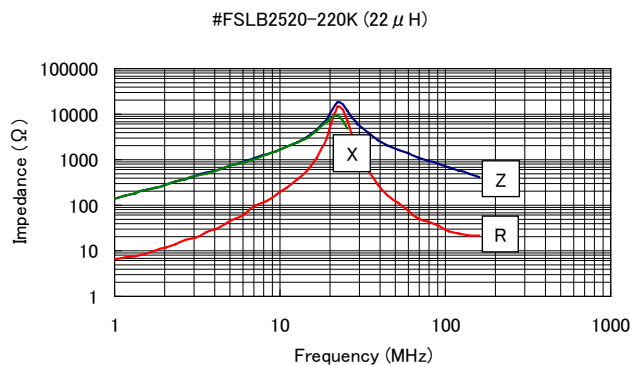
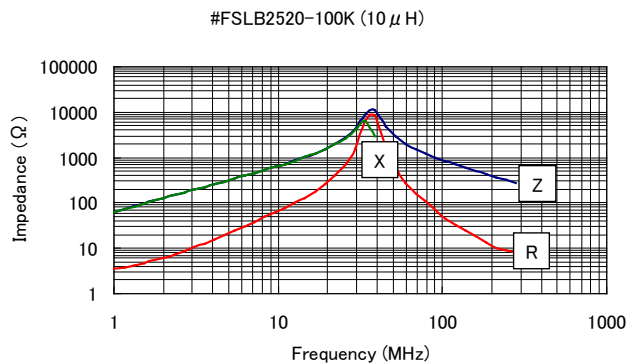
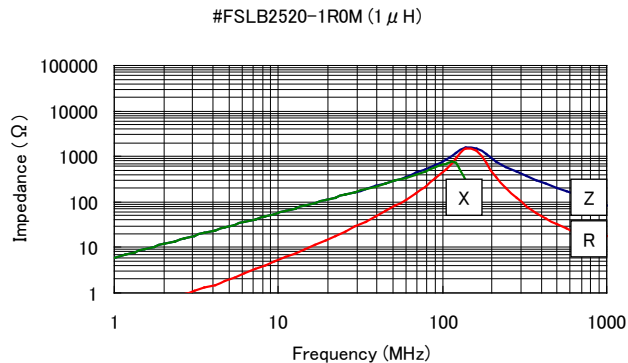
- Small size fixed inductor of the surface mounted type with a wire-wound structure characterized by a low DC resistance.
- It is the most suitable for the decoupling inductor for a small current.
- Low profile 1.7mm Max height. (1.6mm Typ.)
- Wide inductance range from 1 to 47 μ H.
- Low DC resistance, about .half of LLM2520 type with same package size.
- Superior solderability and high heat-resistance for reflow soldering.
- Excellent environmental and mechanical stability.
- 低直流电阻特性卷线结构小型表面贴装固定电感器。
- 最适合小电流的解耦电感器。
- 薄型最大1.7毫米高度。(典型的1.6毫米)
- 1~47 μ H的宽电感值范围。
- 低直流电阻, 约同样包装尺寸LLM2520型的一半。
- 对于回流焊接, 具有优良的可焊性和高热电阻。
- 出色的环境和机械特性。

ELECTRICAL CHARACTERISTICS 电气特性

- | | | | |
|--------------------------------------|--|-----------|--|
| • Inductance Range | 1~47 μ H (E-6 Series) | • 电感值范围 | 1~47 μ H (E-6系列) |
| • Inductance Tolerance | M ; $\pm 20\%$ (1.0~6.8 μ H)
K ; $\pm 10\%$ (10~47 μ H) | • 电感值公差 | M; $\pm 20\%$ (1.0~6.8 μ H)
K; $\pm 10\%$ (10~47 μ H) |
| • Inductance Temperature Coefficient | 750ppm/ $^{\circ}$ C Max. | • 电感值温度系数 | 750ppm/ $^{\circ}$ C Max. |
| • Operating Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | • 使用温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| • Storage Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | • 储存温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| (In case of taping used) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) | (使用编带包装时) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) |

F vs. IMPEDANCE CHARACTERISTICS F vs. 阻抗特性

Notes : R:Resistance (电阻) X:Reactance (电抗) Z:Impedance (阻抗)



STANDARD PART NUMBERS 标准零件号码

TYPE LLB2520 (Previous name FSLB2520, Quantity/reel; 2,000 PCS)/ LLB2520型(原名 FSLB2520, 每卷数量;2,000 PCS)

零件号码	电感值 ⁽¹⁾		最大直流电阻 ⁽²⁾	最大额定直流电流 ⁽³⁾	最小自谐振频率
Part Number	Inductance ⁽¹⁾		DC Resistance ⁽²⁾	Rated DC Current ⁽³⁾	Self-resonant Frequency
	Lo (μ H)	Tolerance	(Ω) Max.	(mA) Max.	(MHz) Min.
#FSLB2520-1R0M=P2	1.0	±20%	0.30	480	130
#FSLB2520-1R5M=P2	1.5	±20%	0.38	435	95
#FSLB2520-2R2M=P2	2.2	±20%	0.44	390	75
#FSLB2520-3R3M=P2	3.3	±20%	0.57	340	60
#FSLB2520-4R7M=P2	4.7	±20%	0.68	310	50
#FSLB2520-6R8M=P2	6.8	±20%	0.89	295	40
#FSLB2520-100K=P2	10.0	±10%	1.10	220	33
#FSLB2520-150K=P2	15.0	±10%	1.70	180	28
#FSLB2520-220K=P2	22.0	±10%	2.50	160	23
#FSLB2520-330K=P2	33.0	±10%	3.80	130	18
#FSLB2520-470K=P2	47.0	±10%	5.40	100	15

※Note 注意事项

Operating frequency bands on a set of each article number is equal to or less than measurement frequency.

- (1) Inductance is measured with a LCR meter 4291A(*)
Test Frequency at 1.0 MHz
- (2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)

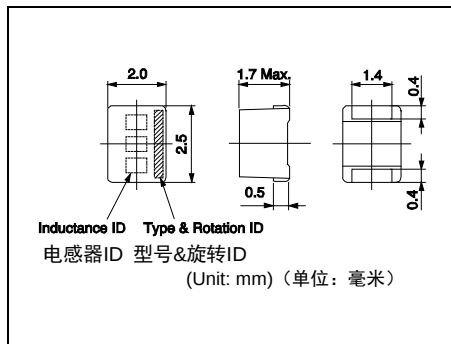
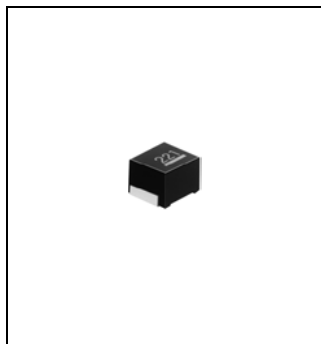
- (1) 使用LCR仪表4291A (*)测试电感值。测试频率为1.0MHz。
- (2) 使用数字万用表TR6871 (Advantest)或者功能相同的工具测试直流电阻。
- (3) 额定电流是以下两者中比较小的一个：电感值从最初值减少10%或者线圈温度升高20°C。(参考周围环境温度20°C)

* Agilent 技术

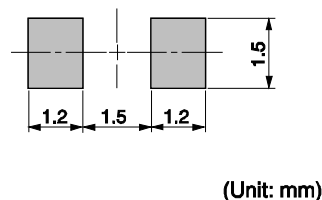
LLM2520



(Previous name FSLM2520) (原名 FSLM2520)
Inductance Range/电感值范围: 0.1~220 μ H (E-12)



Recommended patterns 推荐焊盘尺寸



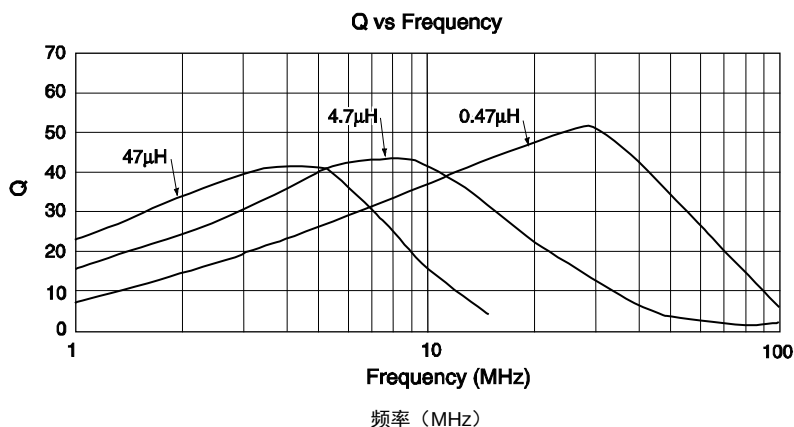
FEATURES 特点

- Wire-wound miniature chip inductor most suitable for surface mount.
- It is recommended for wide general use for signal conditioning in a variety of electronic equipment.
- Low profile 1.7mm Max height. (1.6mm Typ.)
- Wide inductance range from 0.1 to 220 μ H.
- Superior solderability and high heat-resistance for reflow soldering.
- Excellent environmental and mechanical stability.
- 卷线微型贴片电感器最适合表面贴装。
- 推荐在多样化的电子设备中各种信号条件下普遍使用。
- 薄型: 最高1.7毫米 (1.6毫米、典型.)
- 0.1~220 μ H的宽泛的电感值范围。
- 对于回流焊接, 具有优良的可焊性和高的热电阻。
- 出色的环境和机械特性。

ELECTRICAL CHARACTERISTICS 电气特性

- | | | | |
|------------------------------------|-------------------------------------|-----------|-------------------------------------|
| Inductance Range | 0.1~220 μ H (E-12 Series) | 电感值范围 | 0.1~220 μ H (E-12系列) |
| Inductance Tolerance | J ; $\pm 5\%$
K ; $\pm 10\%$ | 电感值公差 | J ; $\pm 5\%$
K ; $\pm 10\%$ |
| Inductance Temperature Coefficient | 750ppm/ $^{\circ}$ C Max. | 电感值温度系数 | 750ppm/ $^{\circ}$ C Max. |
| Operating Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | 使用温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| Storage Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | 储存温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| (In case of taping used) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) | (使用编带包装时) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) |

EXAMPLES OF CHARACTERISTICS 特性范例



continued from previous page 接上页

STANDARD PART NUMBERS 标准零件号码

TYPE LLM2520 (Previous name FSLM2520, Quantity/reel; 2,000 PCS)/LLM2520型 (原名FSLM2520, 每卷数量; 2,000 PCS)

零件号码	电感值 ⁽¹⁾		最小Q	测试频率	最大直流电阻 ⁽²⁾	最大额定直流电流 ⁽³⁾	最小自谐振频率
Part Number	Inductance ⁽¹⁾		Q Min.	Test Frequency (MHz)	DC Resistance ⁽²⁾ (Ω) Max.	Rated DC Current ⁽³⁾ (mA) Max.	Self-resonant Frequency (MHz) Min.
	Lo (μH)	Tolerance					
#FSLM2520-R10□=P2	0.10	J,K	30	25.2	0.21	570	680
#FSLM2520-R12□=P2	0.12	J,K	30	25.2	0.22	550	650
#FSLM2520-R15□=P2	0.15	J,K	30	25.2	0.25	500	530
#FSLM2520-R18□=P2	0.18	J,K	30	25.2	0.29	460	520
#FSLM2520-R22□=P2	0.22	J,K	30	25.2	0.30	430	390
#FSLM2520-R27□=P2	0.27	J,K	30	25.2	0.33	420	330
#FSLM2520-R33□=P2	0.33	J,K	30	25.2	0.39	400	310
#FSLM2520-R39□=P2	0.39	J,K	30	25.2	0.40	375	290
#FSLM2520-R47□=P2	0.47	J,K	30	25.2	0.44	350	260
#FSLM2520-R56□=P2	0.56	J,K	30	25.2	0.49	330	230
#FSLM2520-R68□=P2	0.68	J,K	30	25.2	0.52	320	200
#FSLM2520-R82□=P2	0.82	J,K	30	25.2	0.61	290	180
#FSLM2520-1R0□=P2	1.0	J,K	30	7.96	0.75	250	150
#FSLM2520-1R2□=P2	1.2	J,K	30	7.96	0.87	240	140
#FSLM2520-1R5□=P2	1.5	J,K	30	7.96	1.0	230	130
#FSLM2520-1R8□=P2	1.8	J,K	30	7.96	1.1	220	120
#FSLM2520-2R2□=P2	2.2	J,K	30	7.96	1.3	210	105
#FSLM2520-2R7□=P2	2.7	J,K	30	7.96	1.4	200	90
#FSLM2520-3R3□=P2	3.3	J,K	30	7.96	1.6	190	80
#FSLM2520-3R9□=P2	3.9	J,K	30	7.96	1.7	185	75
#FSLM2520-4R7□=P2	4.7	J,K	30	7.96	1.9	180	70
#FSLM2520-5R6□=P2	5.6	J,K	30	7.96	2.2	170	60
#FSLM2520-6R8□=P2	6.8	J,K	30	7.96	2.4	165	55
#FSLM2520-8R2□=P2	8.2	J,K	30	7.96	2.6	160	50
#FSLM2520-100□=P2	10.0	J,K	25	2.52	2.2	155	30
#FSLM2520-120□=P2	12.0	J,K	25	2.52	2.5	150	27
#FSLM2520-150□=P2	15.0	J,K	25	2.52	2.8	140	23
#FSLM2520-180□=P2	18.0	J,K	25	2.52	3.2	130	22
#FSLM2520-220□=P2	22.0	J,K	25	2.52	3.6	125	21
#FSLM2520-270□=P2	27.0	J,K	25	2.52	4.3	115	19
#FSLM2520-330□=P2	33.0	J,K	25	2.52	4.7	110	17
#FSLM2520-390□=P2	39.0	J,K	25	2.52	8.1	85	15
#FSLM2520-470□=P2	47.0	J,K	25	2.52	8.8	80	14
#FSLM2520-560□=P2	56.0	J,K	25	2.52	10.0	75	12.5
#FSLM2520-680□=P2	68.0	J,K	25	2.52	11.5	70	12
#FSLM2520-820□=P2	82.0	J,K	25	2.52	12.5	65	11
#FSLM2520-101□=P2	100.0	J,K	15	0.796	13.0	60	10
#FSLM2520-121□=P2	120.0	J,K	15	0.796	19.0	55	8
#FSLM2520-151□=P2	150.0	J,K	15	0.796	22.0	50	7.5
#FSLM2520-181□=P2	180.0	J,K	15	0.796	25.0	47	7
#FSLM2520-221□=P2	220.0	J,K	15	0.796	28.0	44	6.5

Add the tolerance of inductance to within the □ of the part Number as follows: J=±5%, K=±10%

□ 添加电感值公差至品号如J=±5%, K=±10%

※Note 注意事项

Operating frequency bands on a set of each article number is equal to or less than measurement frequency.

- (1) Inductance is measured with a LCR meter 4194A (*) or 4291A (*)
- (2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) 使用LCR仪表4194A (*)或者4291A (*)测试电感值。
- (2) 使用数字万用表TR6871 (Advantest)或者功能相同的工具测试直流电阻。
- (3) 额定电流是以下两者中比较小的一个: 电感值从最初值减少10%或者线圈温度升高20°C。(参考周围环境温度20°C)

* Agilent技术

* Agilent Technologies

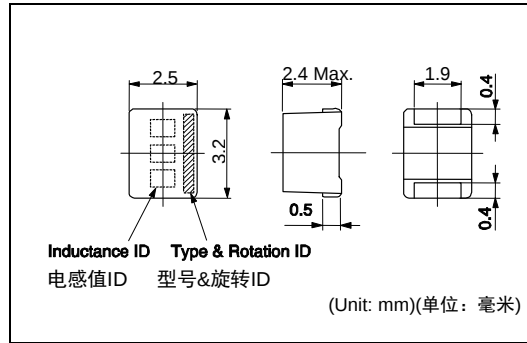
LLM3225

Inductance Range/电感值范围: 0.1~1000 μ H

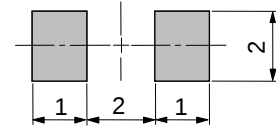
85
°C

RoHS

REACH



Recommended patterns 推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Wire-wound miniature chip inductor most suitable for surface mount.
- It is recommended for wide general use for signal conditioning in a variety of electronic equipment.
- Wide inductance range from 0.1 to 1000 μ H.
- Superior solderability and high heat-resistance for reflow soldering.
- Excellent environmental and mechanical stability.
- 绕线微型电感器，最适合表面贴装。
- 推荐在多样化的电子设备中各种信号条件下普遍使用。
- 0.1~1000 μ H的宽电感值范围。
- 对于回流焊接，具有优良的可焊性和高的热电阻。
- 出色的环境和机械稳定性。

ELECTRICAL CHARACTERISTICS 电气特性

- | | | | |
|--------------------------------------|-------------------------------------|-----------|-------------------------------------|
| • Inductance Range | 0.1~1000 μ H | • 电感值范围 | 0.1~1000 μ H |
| • Inductance Tolerance | J ; $\pm 5\%$
K ; $\pm 10\%$ | • 电感值公差 | J; $\pm 5\%$
K; $\pm 10\%$ |
| • Inductance Temperature Coefficient | 750ppm/ $^{\circ}$ C Max. | • 电感值温度系数 | 750ppm/ $^{\circ}$ C Max. |
| • Operating Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | • 使用温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| • Storage Temperature | -40 $^{\circ}$ C~+85 $^{\circ}$ C | • 储存温度范围 | -40 $^{\circ}$ C~+85 $^{\circ}$ C |
| (In case of taping used) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) | (使用编带包装时) | (-40 $^{\circ}$ C~+60 $^{\circ}$ C) |

STANDARD PART NUMBERS 标准零件号码

TYPE LLM3225 (Quantity/reel; 2,000 PCS) / LLM3225型 (每卷数量; 2,000 PCS)

零件号码	电感值 ⁽¹⁾		最小Q	测试频率	最大直流电阻 ⁽²⁾	最大额定直流电流 ⁽³⁾	最小自谐振频率
Part Number	Inductance ⁽¹⁾		Q Min.	Test Frequency (MHz)	DC Resistance ⁽²⁾ (Ω) Max.	Rated DC Current ⁽³⁾ (mA) Max.	Self-resonant Frequency (MHz) Min.
	Lo (μH)	Tolerance					
LLM3225-R10□	0.10	J,K	35	25.2	0.20	600	540
LLM3225-R12□	0.12	J,K	35	25.2	0.20	580	480
LLM3225-R15□	0.15	J,K	35	25.2	0.20	560	420
LLM3225-R18□	0.18	J,K	35	25.2	0.25	540	380
LLM3225-R22□	0.22	J,K	35	25.2	0.30	520	320
LLM3225-R27□	0.27	J,K	35	25.2	0.30	500	260
LLM3225-R33□	0.33	J,K	35	25.2	0.35	480	230
LLM3225-R39□	0.39	J,K	35	25.2	0.40	460	200
LLM3225-R47□	0.47	J,K	35	25.2	0.40	440	170
LLM3225-R56□	0.56	J,K	35	25.2	0.45	420	150

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STANDARD PART NUMBERS 标准零件号码

TYPE LLM3225 (Quantity/reel; 2,000 PCS) / LLM3225型 (每卷数量; 2,000 PCS)

零件号码	电感值 ⁽¹⁾		最小Q	测试频率	最大直流电阻 ⁽²⁾	最大额定直流电流 ⁽³⁾	最小自谐振频率
Part Number	Inductance ⁽¹⁾		Q Min.	Test Frequency (MHz)	DC Resistance ⁽²⁾ (Ω) Max.	Rated DC Current ⁽³⁾ (mA) Max.	Self-resonant Frequency (MHz) Min.
	Lo (μH)	Tolerance					
LLM3225-R68□	0.68	J,K	35	25.2	0.50	400	130
LLM3225-R82□	0.82	J,K	35	25.2	0.55	380	110
LLM3225-1R0□	1.0	J,K	35	7.96	0.50	370	140
LLM3225-1R2□	1.2	J,K	35	7.96	0.55	350	120
LLM3225-1R5□	1.5	J,K	35	7.96	0.60	330	100
LLM3225-1R8□	1.8	J,K	35	7.96	0.65	315	95
LLM3225-2R2□	2.2	J,K	35	7.96	0.70	300	90
LLM3225-2R7□	2.7	J,K	35	7.96	0.80	280	80
LLM3225-3R3□	3.3	J,K	35	7.96	0.90	265	70
LLM3225-3R9□	3.9	J,K	30	7.96	1.0	250	60
LLM3225-4R7□	4.7	J,K	30	7.96	1.2	240	55
LLM3225-5R6□	5.6	J,K	30	7.96	1.4	230	50
LLM3225-6R8□	6.8	J,K	30	7.96	1.6	220	45
LLM3225-8R2□	8.2	J,K	30	7.96	1.8	210	40
LLM3225-100□	10.0	J,K	30	2.52	1.7	220	27
LLM3225-120□	12.0	J,K	30	2.52	1.9	200	23
LLM3225-150□	15.0	J,K	30	2.52	2.2	180	20
LLM3225-180□	18.0	J,K	30	2.52	2.5	160	18
LLM3225-220□	22.0	J,K	30	2.52	2.8	140	16
LLM3225-270□	27.0	J,K	30	2.52	4.2	120	15
LLM3225-330□	33.0	J,K	30	2.52	4.8	110	14
LLM3225-390□	39.0	J,K	30	2.52	5.4	100	13
LLM3225-470□	47.0	J,K	30	2.52	6.0	95	12
LLM3225-560□	56.0	J,K	30	2.52	7.0	90	11
LLM3225-680□	68.0	J,K	30	2.52	8.0	85	10
LLM3225-820□	82.0	J,K	30	2.52	9.0	80	9
LLM3225-101□	100.0	J,K	20	0.796	9.0	70	9
LLM3225-121□	120.0	J,K	20	0.796	10.0	65	8
LLM3225-151□	150.0	J,K	20	0.796	11.0	60	7
LLM3225-181□	180.0	J,K	20	0.796	12.0	55	6.5
LLM3225-221□	220.0	J,K	20	0.796	20.0	45	6
LLM3225-271□	270.0	J,K	20	0.796	23.0	43	5.5
LLM3225-331□	330.0	J,K	20	0.796	26.0	40	5
LLM3225-391□	390.0	J,K	20	0.796	29.0	35	4.5
LLM3225-471□	470.0	J,K	20	0.796	32.0	31	4
LLM3225-561□	560.0	J,K	20	0.796	50.0	28	3.6
LLM3225-681□	680.0	J,K	20	0.796	55.0	25	3.3
LLM3225-821□	820.0	J,K	20	0.796	60.0	22	3
LLM3225-102□	1000.0	J,K	10	0.252	70.0	19	2.5

Add the tolerance of inductance to within the □ of the part Number as follows: J=±5%, K=±10%

□ 添加电感值公差至品号如: J=±5%, K=±10%

※Note 注意事项

Operating frequency bands on a set of each article number is equal to or less than measurement frequency.

- (1) Inductance is measured with a LCR meter 4194A (*) or 4291A (*)
- (2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)

- (1) 使用LCR仪表4194A (*)或者4291A (*)测试电感值。
- (2) 使用数字万用表TR6871 (Advantest)或者功能相同的工具测试直流电阻。
- (3) 额定电流是以下两者中比较小的一个: 电感值从最初值减少10%或者线圈温度升高20°C。(参考周围环境温度20°C)

* Agilent技术

* Agilent Technologies

TYPE UCMH0907

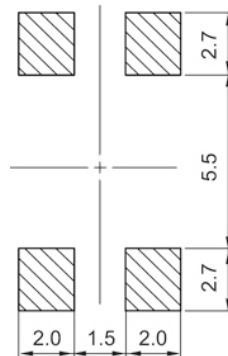
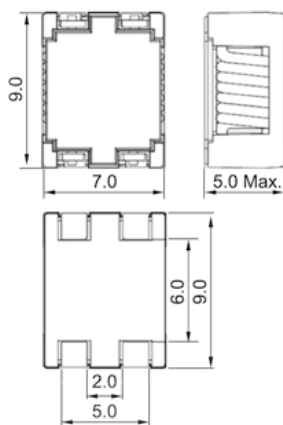
AEC-Q200

125°C

RoHS

REACH

Recommended patterns
推荐焊盘尺寸



(Unit: mm)

(Unit: mm)

Features

- SMD type high current use common mode choke for automotive power line.
- Rated DC Current 5.0A Max.
- 2 line
- Operating temperature ; -40°C~+125°C (Including self-temperature rise)
- AEC-Q200 compliant

特点

- 应用在车载供电电路的贴片/大电流共模扼流圈
- 最大允许直流电流5.0A Max.
- 双线路
- 使用温度范围：-40°C~+125°C（包括自身温度上升）
- 符合AEC-Q200

Applications

- Common mode noise countermeasure for electronic controller DC power lines.

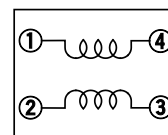
应用

- 抑制直流供电电路上受到的共模噪声

Electrical Characteristics 电气特性

零件号码	100MHz下的共模阻抗	共模插入损耗	最大直流电阻/线	最大直流电流
Part Number	Common Mode Impedance @100MHz	Common Mode Insertion Loss @100MHz	DC Resistance	DC Current
1259CM-0001=P3	700Ω typ (500Ω min)	18dB typ (13dB min)	10mΩ max	5.0 A max

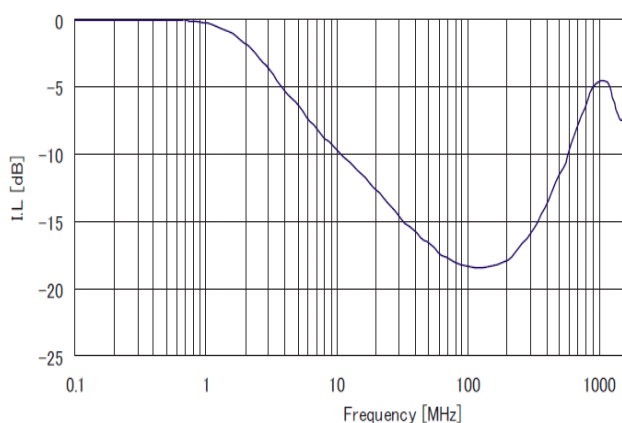
Pin Connections 引脚连接



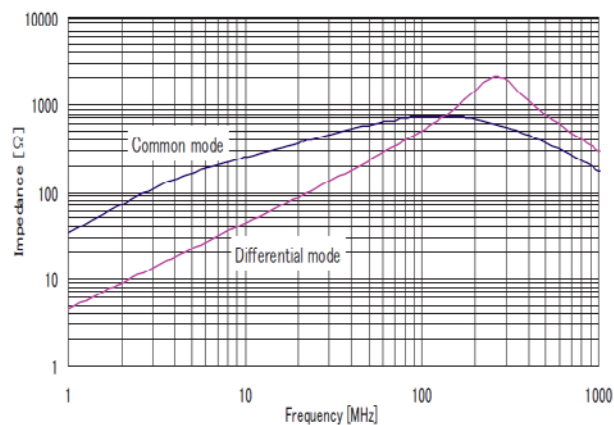
(No Polarity)

Typical Characteristics 典型特性

Insertion Loss Characteristics of 1259CM-0001



Impedance Characteristics of 1259CM-0001



TYPE 5CCEG

For Reflow Soldering 适合回流焊接

Frequency Range 频率范围： 20 ~ 120 MHz

Inductance Range 电感值范围： 0.05 ~ 2.7 μ H

Q Approx 概略Q值： 70 (at 100MHz)

AEC-
Q200

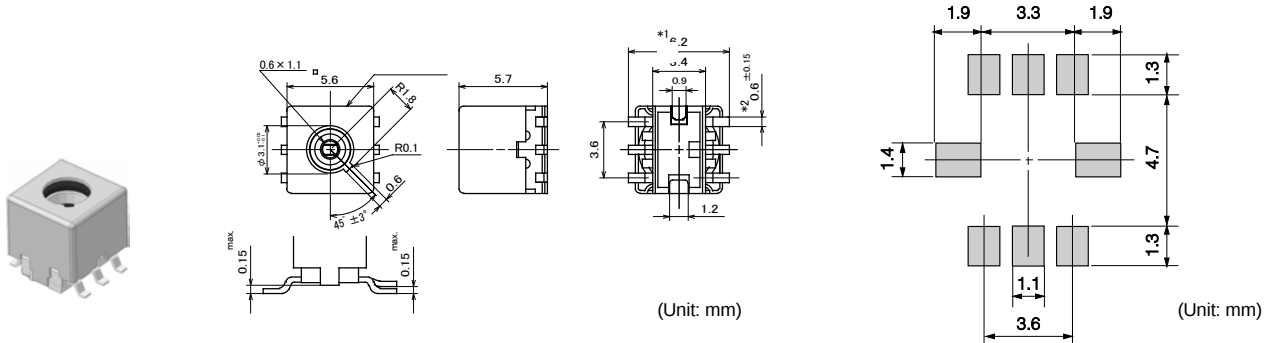
85
°C

RoHS

REACH

Recommended patterns

推荐焊盘尺寸



Features

- High reliability conforms to automotive applications.
- AEC-Q200 compliant.

特点

- 符合车载使用的高可靠性
- 符合AEC-Q200

Applications

- Suitable as a RF matching transformer for car tuner.
- Operating temperature (−40~+85°C)

应用

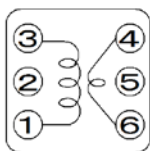
- 适用于车载音响调谐器用的射频匹配变压器
- 使用温度范围：−40 ~ +85°C

SELECTION GUIDE FOR STANDARD TRANSFORMERS

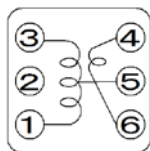
TYPE 5CCEG

零件号码	测试频率	C可变范围	Q	内部连接 *
Part Number	Test Frequency (MHz)	C Range (pF)	Unloaded Q	Winding Connection *
#A1313AN-0001GGH=P3	100	11.4 +3/-3%	72 +/-20%	A
#A1313AN-0002GRG=P3	100	11.4 +5/-2%	61 +/-20%	B
#A1313AN-0003GRG=P3	100	11.4 +2/-4%	54 +/-20%	B
#A1313AN-0004GGH=P3	100	11.7 +3/-3%	72 +/-20%	A

*Connection A (Bottom View)



* Connection B (Bottom View)



5CCEG type is customized item. Please feel free to contact us for details.
5CCEG 型号是按客户规格订制生产的产品。敬请咨询详细信息。

TYPE FSDVA

For Reflow Soldering / 适合回流焊接

Frequency Range : 0.05 ~ 15MHz

Inductance Range : 0.1 ~ 52mH

1 ~ 7mH (for corner sensor)

Q Approx : 20 ~ 60

AEC-Q200

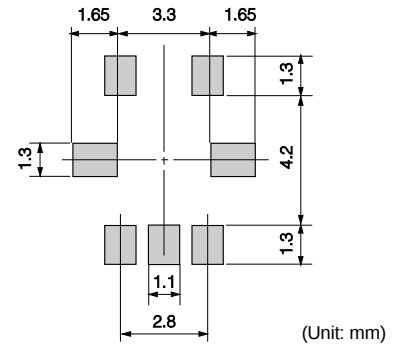
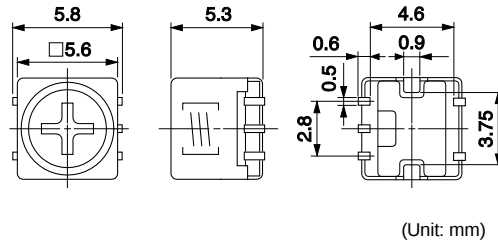
85°C

105°C

RoHS

REACH

Recommended patterns 推荐焊盘尺寸



Features

- Highly durable against mechanical stress.
- Wide operating temperature range
~ 20mH (−40°C~+105°C)
20mH ~ (−40°C~+85°C)
- 1,000 hours guarantee in reliability characteristics based on evaluation test up to 3,000 hours.
- Terminal coplanarity: 0.1mm Max.
- AEC-Q200 compliant.

特 征

- 耐机械压力性能好
- 使用温度范围
~ 20mH (−40°C~+105°C)
20mH ~ (−40°C~+85°C)
- 基于长达3,000个小时的评估测试，保证可靠使用1,000个小时)
- 端子平坦度：0.1mm以内
- 符合AEC-Q200

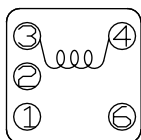
SELECTION GUIDE FOR STANDARD TRANSFORMERS

TYPE FSDVA

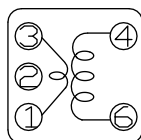
零件号码	测试频率	L可变范围	Q	内部连接 *
Part Number	Test Frequency (kHz)	L Range (mH)	Unloaded Q	Winding Connection *
N1342BCA-0004UG=P3	252	4.4 ±3%	25 min	B
N1342DEA-0008BQE=P3	252	2.5 ±5%	25 min	C

零件号码	测试频率	L公差范围	Q	内部连接 *
Part Number	Test Frequency (kHz)	L Tolerance (mH)	Unloaded Q	Winding Connection *
N1342AAA-0001Z=P3	79.6	52 ±7%	10 min	A

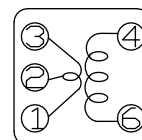
*Connection A (Bottom View)



* Connection B (Bottom View)

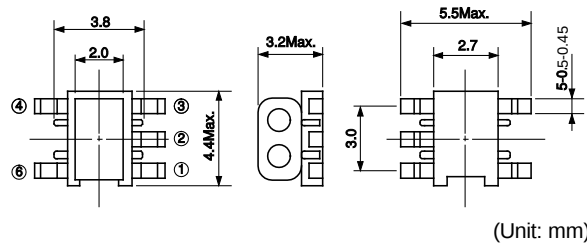


* Connection C (Bottom View)

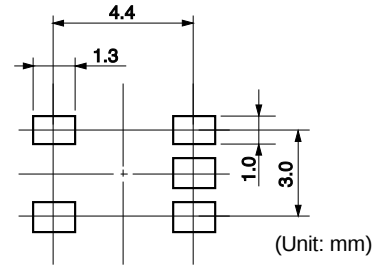


FSDVA type is customized item. Please feel free to contact us for details.
FSDVA 型号是按客户规格订制生产的产品。敬请咨询详细信息。

TYPE B4F



Recommended patterns 推荐焊盘尺寸



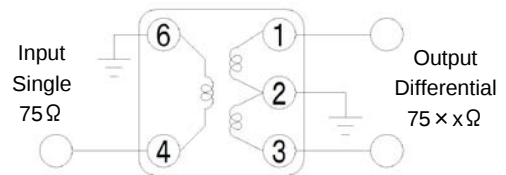
- Operating temperature (−40~+85°C)

- 使用温度范围：−40 ~ +85°C

Transformers for Frequency Mixer 混频器用变压器

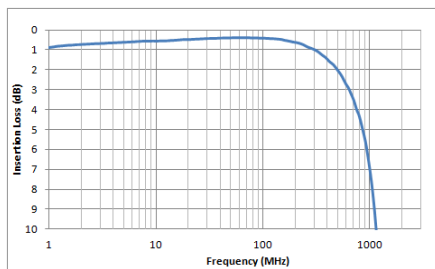
Part No.	Winding Turns		Impedance Ratio
	1-2=2-3	4-6	
#617PT-2038=P3	3T	6T	75 : 75
#617PT-2270=P3	2T	6T	75 : 37.5
#617PT-2301=P3	1T	4T	75 : 18.75
#617PT-2304=P3	1T	6T	75 : 8.333

Test Circuit 测试电路

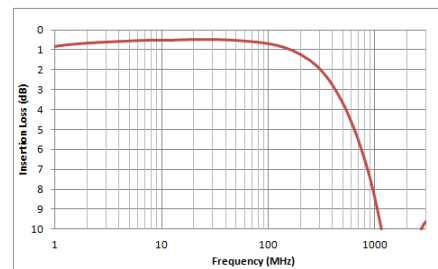


Typical Characteristics 典型特性

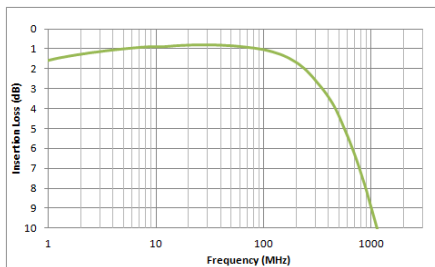
1) #617PT-2038 (Impedance Ratio=75Ω:75Ω)



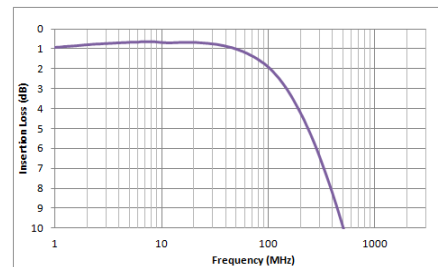
2) #617PT-2270 (Impedance Ratio=75Ω:37.5Ω)



3) #617PT-2301 (Impedance Ratio=75Ω:18.75Ω)



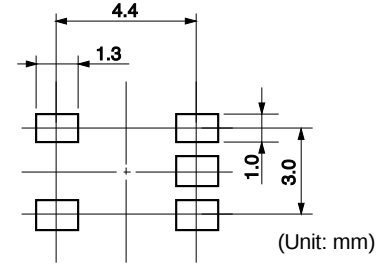
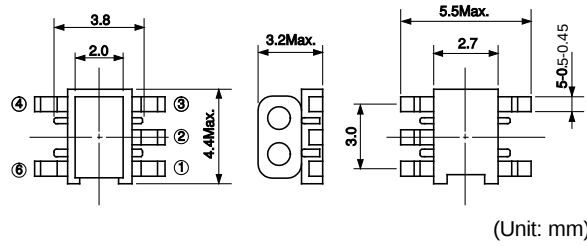
4) #617PT-2304 (Impedance Ratio=75Ω:8.333Ω)



TYPE B4F



Recommended patterns 推荐焊盘尺寸

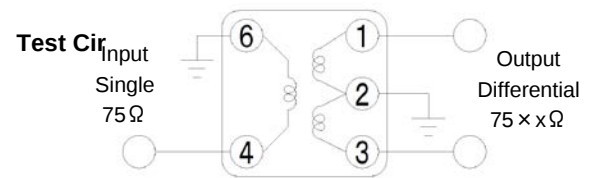


- Operating temperature (−40~+85°C)

- 使用温度范围：−40 ~ +85°C

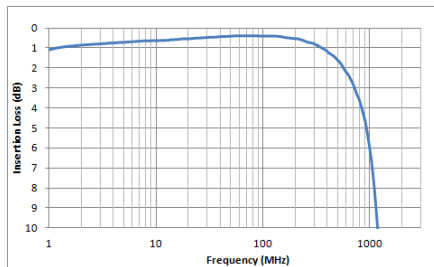
Transformers for Frequency Mixer 混频器用变压器

Part No.	Winding Turns		Impedance Ratio
	1-2=2-3	4-6	
#617PT-2323=P3	3T	6T	75 : 75
#617PT-2291=P3	2T	6T	75 : 37.5
#617PT-2301=P3	1T	4T	75 : 18.75

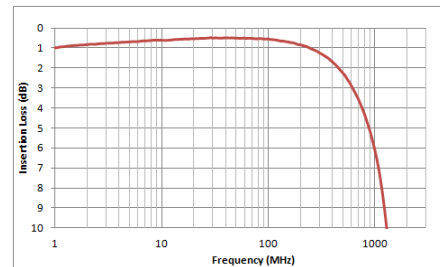


Typical Characteristics 典型特性

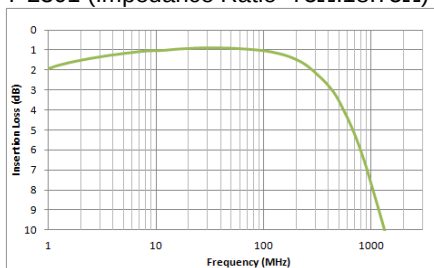
1) #617PT-2323 (Impedance Ratio=75Ω:75Ω)



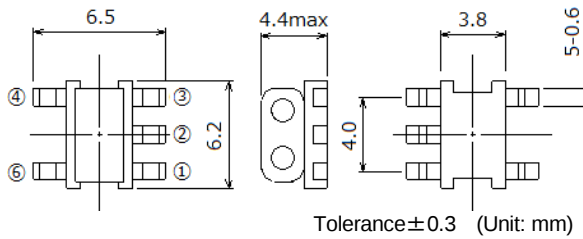
2) #617PT-2291 (Impedance Ratio=75Ω:37.5Ω)



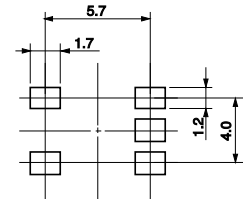
3) #617PT-2301 (Impedance Ratio=75Ω:18.75Ω)



TYPE B5F



Recommended patterns 推荐焊盘尺寸



(Unit: mm)

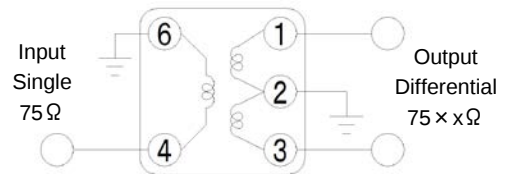
- Operating temperature (−40~+85°C)

- 使用温度范围：−40 ~ +85°C

Transformers for Frequency Mixer 混频器用变压器

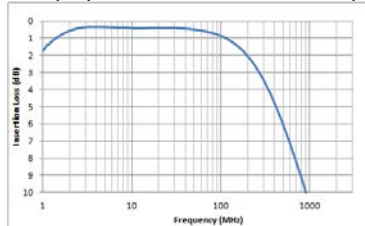
Part No.	Winding Turns		Impedance Ratio
	1-2=2-3	4-6	
#458PT-1566=P3	3T	6T	75 : 75
#458PT-1720=P3	2T	5T	75 : 50
#458PT-2002=P3	2T	6T	75 : 37.5
#458PT-2078=P3	1T	4T	75 : 18.75

Test Circuit 测试电路

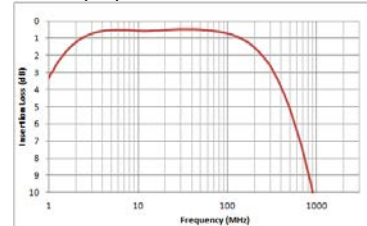


Typical Characteristics 代表特性例

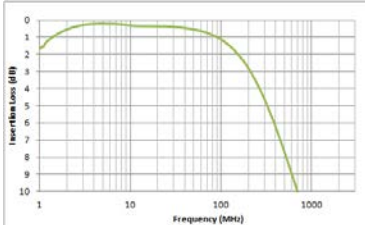
1) #458PT-1566 (Impedance Ratio=75Ω:75Ω)



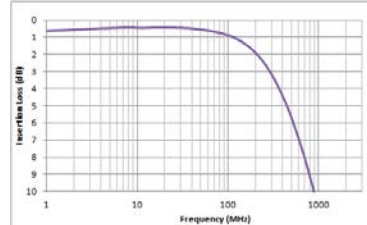
2) #458PT-1720 (Impedance Ratio=75Ω:50Ω)



3) #458PT-2002 (Impedance Ratio=75Ω:37.5Ω)



4) #458PT-2078 (Impedance Ratio=75Ω:18.75Ω)



Transformers for Frequency Mixer

混频器用变压器

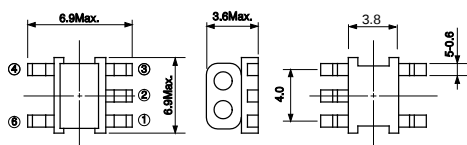
TYPE B5FL / B5FL型

85
°C

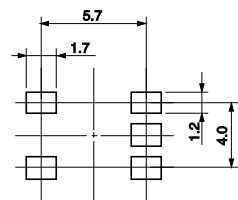
RoHS

REACH

Recommended patterns 推荐焊盘尺寸



(Unit:mm) (单位:毫米)



(Unit:mm) (单位:毫米)

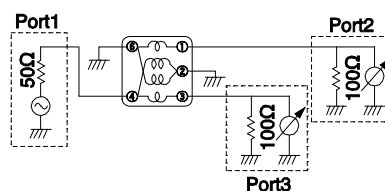
- Operating temperature (-40~+85°C)

- 使用温度范围: -40 ~ +85°C

Transformers for Frequency Mixer 混频器用变压器

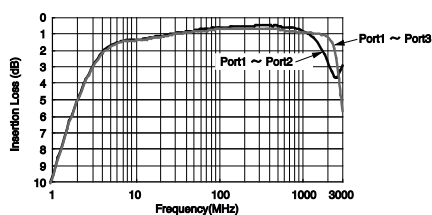
Part No.	Winding Turns 1-6=2-4=2-6=3-4	μiac
#616DB-1196=P3	2 1/2 T	300
#616DB-1197=P3	3 1/2 T	300
#616DB-1198=P3	4 1/2 T	300

Test Circuit 测试电路

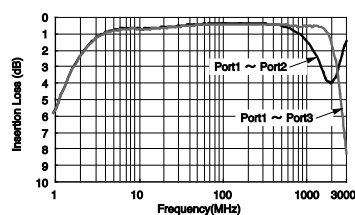


Typical Characteristics 典型特性

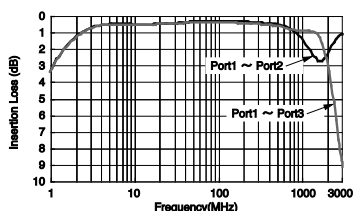
1) #616DB-1196=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



2) #616DB-1197=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



3) #616DB-1198=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



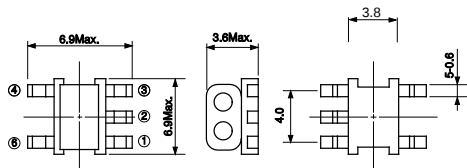
TYPE B5FL / B5FL型

85
°C

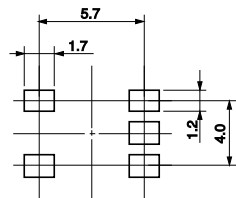
RoHS

REACH

Recommended patterns 推荐焊盘尺寸



(Unit: mm)



(Unit: mm)

- Operating temperature (−40~+85°C)

- 使用温度范围：−40 ~ +85°C

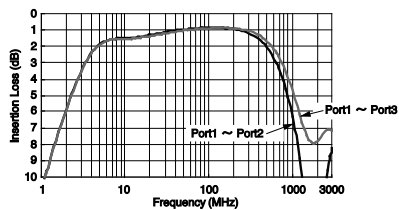
Transformers for Frequency Mixer 混频器用变压器

Part No.	Winding Turns 1-2=2-3=4-6	μiac
#616PT-1201=P3	2 T	300
#616PT-1202=P3	3 T	300
#616PT-1203=P3	4 T	300

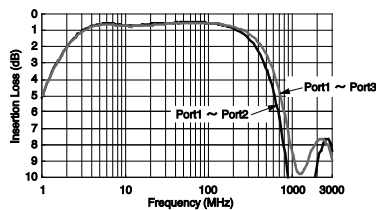
Test Circuit 测试电路

Typical Characteristics 典型特性

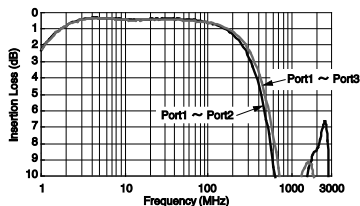
1) #616PT-1201=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



2) #616PT-1202=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



3) #616PT-1203=P3 (Impedance Ratio/阻抗比=50Ω:200Ω)



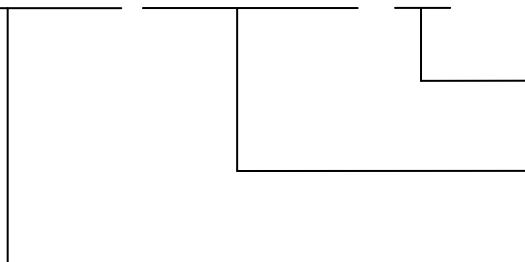
Precautions 注意事项

1. During storage, the products must be kept in an environment away from excessive high temperatures, high humidity, dust and noxious gases which may affect solderability.
2. Terminals should not be handled with fingers. This is to prevent deterioration in solderability.
3. Products should not be dropped on the floor. This is to prevent damage to the products.
4. Although electrical performance is satisfactory, audible noises may be made if audio frequency ingredient is contained in current.
Before using, please make sure there aren't any problems with operating.

1. 在储存阶段，产品必须保持远离过热的温度、过高的湿度、灰尘和有害气体等可能影响可焊性效果的环境。
2. 接线端不能用手指直接处理。这是为了防止降低可焊性。
3. 产品不能掉到地板上。这是为了防止损坏铁氧体芯。
4. 当工作电流中含有可以听到的频率成份时，电感可能产生一定的噪音。虽然这个现象对电感的特性没有影响，但在实际应用时请确认有无问题。

Part Numbering System 零件号码系统

□□□□□□-□□□□□□=□□



: Package Code

封装编码

: Inductance value and tolerance or Registrar number

电感值，公差及登录号

: Type name or Type code

型号名及型号编码

请参看各页确认正确的零件号码

Please see the exact part number on individual catalog page.

INDUCTANCE TOLERANCE CODE 电感值公差

Code	Tolerance
J	± 5%
K	± 10%
L	± 15%
M	± 20%
N	± 30%

CODING 译码

INDUCTANCE CODING 电感值译码

The unit in μH represented with 3 digits.

- ① First two digits: Indicate the rated inductance
- ② Last digits: For the number of zeros following the first two digits
- ③ Letter "R" represents the decimal point

以 μH 作为单位，用3个阿拉伯数字表示。

- ① 前两位阿拉伯数字：表示额定电感值
- ② 最后一位阿拉伯数字：紧接前两位阿拉伯数字，表示0的个数
- ③ 字母“R”代表十进制小数点

Examples: R10..... 0.1 μH
1R0..... 1 μH
100..... 10 μH

101.....100 μH
102.....1,000 μH (1mH)
103.....10,000 μH (10mH)

MEASUREMENTS OF FIXED INDUCTORS 固定电感器测量法

1. INDUCTANCE

The inductance is measured with a Q-meter, LCR meter or an impedance analyzer.

- ① Fixed inductors for signals: Use of a Q-meter in which the frequency is for direct readout of the inductance or at the specified frequency.
- ② Inductors for high current power line circuits: 1kHz or 100kHz or 1MHz.

2. Q FACTOR

The unloaded Q is measured with a Q-meter, LCR meter or impedance analyzer.

The frequency of measurement is that at which the inductance has been measured or at a different frequency as specified. However, for high current power line inductors, the resistance is measured and the Q may be neglected.

3. DC RESISTANCE

A digital multimeter is used for measurement.

4. SELF-RESONANT FREQUENCY

Measured with a Q-meter, impedance analyzer or network analyzer.

5. MAXIMUM ALLOWABLE CURRENT

The maximum allowable current is a DC Current which causes initial inductance to decrease by 10 or 30%. Or coil temperature to rise by 20 or 40°C, whichever is smaller. (Reference ambient temperature : 20°C)

6. DIELECTRIC STRENGTH

For specimen coil, apply 100V DC for 5 seconds between the shielding case and terminals. There should be no damage or abnormalities in the inductor.

7. SOLDERABILITY

After immersion of terminals in flux for 5 to 10 seconds, dip the terminals in the solder bath at $+245 \pm 5^\circ\text{C}$ for 2 ± 0.5 seconds. Make certain that more than 3/4 of the surface of the terminals are coated with new solder.

8. DRY HEAT TEST

The change, if any, in inductance is measured after exposure to $+85 \pm 2^\circ\text{C}$ in a test chamber for 500 ± 12 hours and for 1 to 2 hours at room temperature.

9. COLD TEST

The change in inductance, if any, is measured after exposure to $-40 \pm 3^\circ\text{C}$ in a test chamber for 500 ± 12 hours and 1 to 2 hours at room temperature.

10. TEMPERATURE CYCLING

Condition for one cycle:

- | | |
|---|------------|
| (a) $-40 \pm 3^\circ\text{C}$ | 30minutes. |
| (b) Room temperature at $+20^\circ\text{C}$ | 2minutes. |
| (c) $+85 \pm 2^\circ\text{C}$ | 30minutes. |
| (d) Room temperature at $+20^\circ\text{C}$ | 2minutes. |

500 temperature cycles are applied in the test.

One hour after the full cycling, the variation in the inductance is measured.

11. HUMIDITY TEST

The change in inductance, if any, is measured after exposure in a test chamber to humidity of 90% to 95% R.H. at $60 \pm 2^\circ\text{C}$ for 500 ± 12 hours and 1 hour exposure at room temperature.

12. VIBRATION TEST

The change in inductance, if any, is measured after the following condition:

A specimen coil is mounted on a test board to which vibration is applied as follows — overall amplitude at 1.5mm, frequency range, 10 to 55Hz, and swept in the order, $10 \sim 55 \sim 10\text{Hz}$ per minute for 2 hours in each of the 3 directions for total of 6 hours.

13. SHOCK TESTS

The change in inductance, if any, is measured after the following tests.

- ① Free Fall Drop Test
A specimen coil is mounted on a test board and dropped freely 3 times from a height of 1 meter.
- ② Impact Tester
A specimen inductor is mounted on a test board and dropped 3 times in three directions with shock applied for 0.01seconds at 981m/s^2 . The change in inductance, if any, is measured after the tests.

1. 电感值

电感值通过Q仪器、LCR仪器或者阻抗分析器来测试。

- ① 固定电感器用于信号：在直接读出电感值或者指定频率情况下，使用Q仪器。
- ② 在高电流线路中使用的电感器：1kHz,100kHz,1MHz。

2. Q值

无负荷的Q值通过Q仪器、LCR仪器或者阻抗分析器来测试。

测试频率是在电感值已经测试或者在指定的不同的频率之间确定。但是，对于高电流线路感应器而言，阻抗是通过测定的，而且Q值可以忽略。

3. 直流电阻

使用数码万用表进行测试。

4. 自谐振频率

使用Q仪表、阻抗分析器或者网络分析器进行测试。

5. 额定电流（允许的最大电流）

允许的最大电流值是最初电感值升高10%或30%的直流电。或线圈温度升高 20°C 或 40°C 的电流，两者中比较小的一个。（参考周围环境温度： 20°C ）

6. 耐高压

对于固定电感器，在外屏蔽和电极之间使用100V直流电5秒钟。在电感器上应该没有损坏和异象出现。

7. 可焊性

在把终端浸泡进焊剂5到10秒之后，把终端插进 $+245 \pm 5^\circ\text{C}$ 的焊料缸 2 ± 0.5 秒。确认终端表面超过3/4涂上了焊料。

8. 耐热测试

在一个 $+85 \pm 2^\circ\text{C}$ 温度的测试室中放置 500 ± 12 小时，以及在室温下1到2小时，测试电感值的变化。

9. 耐寒测试

在一个 $-40 \pm 3^\circ\text{C}$ 温度的测试室中放置 500 ± 12 小时，以及在室温下1到2小时，测试电感值的变化。

10. 温度循环

循环一周的条件：

- | | |
|-------------------------------------|--------|
| (a) $-40 \pm 3^\circ\text{C}$ | (30分钟) |
| (b) 室温 $+20^\circ\text{C}$ | (2分钟) |
| (c) $+85 \pm 2^\circ\text{C}$ | (30分钟) |
| (d) 室温 $+20^\circ\text{C}$ | (2分钟) |

在本项测试中使用500个温度周期。

在完整的循环后一个小时，测试电感值的变化。

11. 湿度测试

在一个 $+60 \pm 2^\circ\text{C}$ 温度、湿度为90%到95%R.H.的测试室中放置 500 ± 12 小时，以及在室温下1小时，测试电感值的变化。

12. 振动测试

电感值的变化通过如下条件测试：

一个固定电感器贴装在一块测试板上，适用于以下情况—整体振幅1.5毫米，频率范围10~55赫兹，有规则的电子扫频；在3个方位的每个方向上每分钟10~55~10赫兹两小时，整个6小时。

13. 震动测试

电感值的变化，通过如下条件测试：

- ① 落下
固定电感器贴装在一个测试板上，在1米高度上自由坠下3次。
- ② 震动测试
固定电感器贴装在一个测试板上，在1米高度上从3个方向自由坠下3次，适用于在0.01秒内 981m/s^2 。测试电感值的变化。

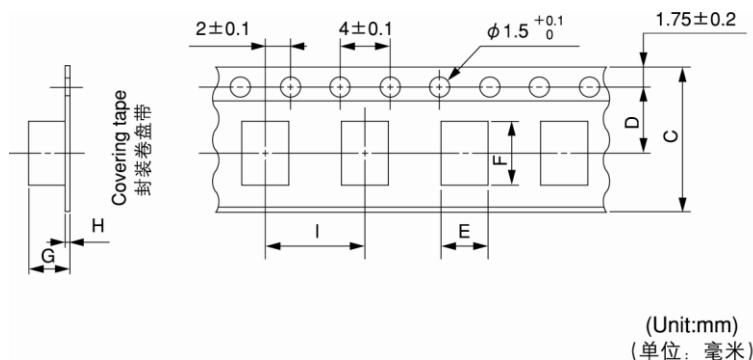
Reel Packaging 卷盘包装

Taping for automatic insertion of SMT coils.

Surface mount devices/adjustable & fixed
This ever expanding assortment of product and unsurpassed quality control, not only give you a component that functionally performs, but just as importantly, allows the use of a variety of placement and soldering equipment necessary for the FLEXIBLE MANUFACTURING PLANT required in today's competitive world.

Various packaging schemes are available. In addition to bulk, tape and reel and magazine, methods are offered for high volume insertion equipment. The following chart lists the packaging details for TOKO's SMD coils:

Tape and reel dimensions



Notes:

- There are at least 10 blank spaces (80mm each) at both ends of the tape which do not include the coils.
- The protective tape should not cover the holes nor be shifted to the sides. Further, the tape should not be removed during transportation.
- The coils are positioned with the bonding surface facing bottom of the pocket.
- Dimensional tolerances conform to Japan Industrial Standard JIS C 0806-3, Packaging of components for automatic handling— Part3: Packaging of surface mount components on continuous tapes.

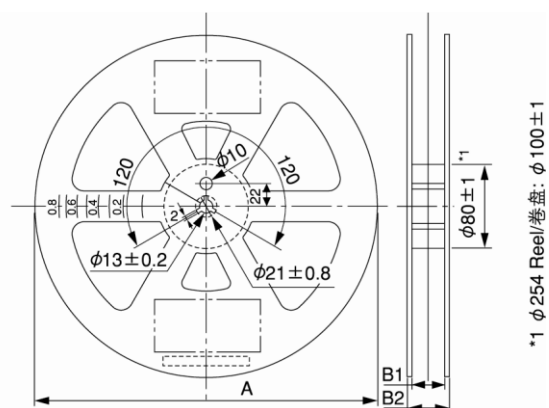
自动插入编带的表面贴装线圈

表面贴装设备/可调整型和固定型

它可以扩展到产品分类和非常突出的质量控制。不只是给你一个构成方面的优良的性能表现，而且最重要的，允许在当今这个竞争世界中要求的灵活制造厂使用多样化的放置和焊接设备。

可以使用多样的包装方案。提供批量散装和卷盘包装供大量插入设备使用。以下图表为东光株式会社的SMD线圈罗列包装细节：

编带和卷盘尺寸



注意:

- 在没有包括线圈的编带的每个末端至少有10个空白空间（每个80毫米）。
- 保护带不能覆盖洞口或者移动到侧面。而且，在运输过程中，带子不能移动。
- 线圈设置在焊接表面对着袋子底部。
- 尺寸公差符合日本工业标准 JIS C 0806-3, 自动装配元件的封装第 3 部分：表面贴装组件在连续带上的封装之规定。

■ Surface mounting type, reel/tape list 表面贴装型，卷盘 / 编带列表

Type	Reel Size (mm)			Tape Size (mm)							Q'ty 1 Reel
	A	B1	B2	C	D	E	F	G	H	I	
Metal Alloy Inductor											
DFE201210U	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201610C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201610R	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201610P	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201610E	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201612C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201612R	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201612P	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE201612E	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	1.85± 0.1	2.25± 0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252008C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000

■ Surface mounting type, reel/tape list 表面贴装型，卷盘 / 编带列表

Type	Reel Size (mm)			Tape Size (mm)							Q'ty 1 Reel
	A	B1	B2	C	D	E	F	G	H	I	
Metal Alloy Inductor											
DFE252010C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252010R	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252010P	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252010F	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252012C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252012R	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252012P	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE252012F	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.20± 0.1	2.75±0.1	1.3 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE322510C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.80± 0.1	3.5 ± 0.1	1.1 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
DFE322512C	φ180	9.0 ± 0.3	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	2.90± 0.1	3.6 ± 0.1	1.4 ± 0.1	0.25 ± 0.05	4.0 ± 0.1	3000
FDSD0312	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	3.25± 0.05	3.25±0.1	1.5 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	4000
FDSD0412	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	4.4 ± 0.1	4.4 ± 0.1	1.5 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	4000
FDSD0415	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	4.4 ± 0.1	4.4 ± 0.1	1.8 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	4000
FDSD0420	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	4.4 ± 0.1	4.4 ± 0.1	2.2 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
FDSD0512	φ330	17.5 ± 0.5	21.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	5.3 ± 0.1	5.6 ± 0.1	1.5 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	4000
FDSD0515	φ330	17.5 ± 0.5	21.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	5.3 ± 0.1	5.6 ± 0.1	1.8 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	4000
FDSD0518	φ330	17.5 ± 0.5	21.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	5.3 ± 0.1	5.6 ± 0.1	2.1 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
FDSD0630	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.0 ± 0.1	7.8 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FDV0530	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.2 ± 0.1	6.6 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FDV0618	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.0 ± 0.1	7.8 ± 0.1	2.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1500
FDV0620	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.0 ± 0.1	7.8 ± 0.1	2.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1500
FDVE0630	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.1 ± 0.1	7.8 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FDVE1040	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	12.1 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FDUE0640	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.0 ± 0.1	8.0 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FDUE0650	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.0 ± 0.1	7.8 ± 0.1	5.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FDUE1040D	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	12.1 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FDUE1245	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.3 ± 0.1	13.7 ± 0.1	4.7 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FDUE1260	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.9 ± 0.1	14.7 ± 0.1	6.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FDA1055	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	11.1 ± 0.1	12.0 ± 0.1	5.7 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FDA1254	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.9 ± 0.1	13.9 ± 0.1	5.7 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FCUL0530	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.2 ± 0.1	6.6 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FCUL0624	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.1 ± 0.1	7.8 ± 0.1	2.7 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1500
FCUL0630	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.1 ± 0.1	7.8 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
FCUL1040	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	12.1 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
FCUL1060	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	11.1 ± 0.1	12.0 ± 0.1	6.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DFEG7030D	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.1 ± 0.1	7.8 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DFEH7030D	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.1 ± 0.1	7.8 ± 0.1	3.3 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DFEG10040D	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	12.1 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DFEH10040D	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	12.1 ± 0.1	4.3 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DFEG12060D	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	13.2 ± 0.1	13.3 ± 0.1	6.4 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DFEH12060D	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	13.2 ± 0.1	13.3 ± 0.1	6.4 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
Ferrite Inductor											
DEM2812C	φ180	9.0 ± 0.5	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	3.05± 0.1	3.25±0.1	1.5 ± 0.1	0.3 ± 0.05	4.0 ± 0.1	2000
DEM2815C	φ180	9.0 ± 0.5	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	3.05± 0.1	3.25±0.1	1.8 ± 0.1	0.3 ± 0.05	4.0 ± 0.1	2000
DEM2818C	φ180	9.0 ± 0.5	11.4 ± 1	8.0 ± 0.2	3.5 ± 0.05	3.05± 0.1	3.25±0.1	2.1 ± 0.1	0.3 ± 0.05	4.0 ± 0.1	2000
DEM3512C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	3.75± 0.1	3.95±0.1	1.4 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
DEM3518C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	3.75± 0.1	3.95±0.1	2.0 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
DEM4514C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	4.75± 0.1	4.95±0.1	2.0 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
DEM4518C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	4.75± 0.1	4.95±0.1	2.0 ± 0.1	0.3 ± 0.05	8.0 ± 0.1	2000
D52LC	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.1	5.3 ± 0.1	5.3 ± 0.1	2.4 ± 0.1	0.4 ± 0.05	8.0 ± 0.1	2000
D53LC	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.1	5.3 ± 0.1	5.3 ± 0.1	3.4 ± 0.1	0.4 ± 0.05	8.0 ± 0.1	2000
D62LCB	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.1	6.2 ± 0.1	6.3 ± 0.1	2.2 ± 0.1	0.3 ± 0.05	12.0 ± 0.1	1500
D63LCB	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	6.2 ± 0.1	6.3 ± 0.1	3.25±0.1	0.3 ± 0.05	12.0 ± 0.1	1500
DG6045C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.1	6.4 ± 0.1	6.4 ± 0.1	4.7 ± 0.1	0.4 ± 0.1	8.0 ± 0.1	1500

■ Surface mounting type, reel/tape list 表面贴装型，卷盘 / 编带列表

Type	Reel Size (mm)			Tape Size (mm)							Q'ty 1 Reel
	A	B1	B2	C	D	E	F	G	H	I	
Ferrite Inductor											
DG6050C	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.1	6.4 ± 0.1	6.4 ± 0.1	5.6 ± 0.1	0.4 ± 0.1	8.0 ± 0.1	1500
DS75LC	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.8 ± 0.1	7.8 ± 0.1	5.4 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DG8040C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	8.4 ± 0.1	8.4 ± 0.1	4.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DS85LCB	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	8.4 ± 0.1	8.5 ± 0.1	5.1 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DEM8030C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	8.4 ± 0.1	8.4 ± 0.1	3.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DEM8040C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	8.4 ± 0.1	8.4 ± 0.1	4.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DEM8045C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	8.4 ± 0.1	8.4 ± 0.1	4.7 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
DEM10050C	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.6 ± 0.1	10.6 ± 0.1	5.2 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DS104C2	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	10.5 ± 0.1	4.2 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DS104LC	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	10.5 ± 0.1	4.2 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DS106C2	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	10.5 ± 0.1	6.9 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
DS126C2	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.9 ± 0.1	12.9 ± 0.1	6.9 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
MBH6045C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.3 ± 0.1	6.3 ± 0.1	5.1 ± 0.1	0.4 ± 0.1	12.0 ± 0.1	1000
MBH7045C	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.3 ± 0.1	7.3 ± 0.1	4.9 ± 0.1	0.4 ± 0.1	12.0 ± 0.1	1000
MBH10145C	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	10.5 ± 0.1	10.5 ± 0.1	4.9 ± 0.1	0.4 ± 0.1	16.0 ± 0.1	500
MBH12282C	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.6 ± 0.1	12.6 ± 0.1	8.6 ± 0.1	0.5 ± 0.1	16.0 ± 0.1	300
MBH12575C	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.9 ± 0.1	12.9 ± 0.1	8.0 ± 0.1	0.5 ± 0.1	16.0 ± 0.1	300
Inductors for Digital Audio Amplifier											
HEAW	φ330	33.5 ± 0.5	37.5 ± 0.5	32.0 ± 0.3	14.2 ± 0.1	13.3 ± 0.1	14.3 ± 0.1	11.2 ± 0.1	0.5 ± 0.05	20.0 ± 0.1	200
HEAWS	φ330	25.5 ± 0.5	27.5 ± 0.5	24.0 ± 0.3	11.5 ± 0.1	10.9 ± 0.1	11.2 ± 0.1	10.7 ± 0.1	0.5 ± 0.05	16.0 ± 0.1	250
Transponder Coil											
SA3D12	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	12.2 ± 0.1	12.2 ± 0.1	3.6 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
SA3D14	φ330	25.5 ± 0.5	29.5 ± 1	24.0 ± 0.3	11.5 ± 0.1	14.2 ± 0.1	14.2 ± 0.1	4.0 ± 0.1	0.4 ± 0.05	16.0 ± 0.1	500
SA3M08	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.1	7.5 ± 0.1	3.2 ± 0.1	8.1 ± 0.1	3.15 ± 0.1	0.4 ± 0.05	8.0 ± 0.1	1500
SAZ73D	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.1	7.5 ± 0.1	7.8 ± 0.1	7.8 ± 0.1	3.6 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
Common Mode Choke											
UCMH0907	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	7.4 ± 0.1	9.4 ± 0.1	5.2 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	750
Variable Coil											
5CCEG	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.4	7.5 ± 0.2	6.2 ± 0.2	6.6 ± 0.2	6.2 ± 0.2	0.4 ± 0.05	12.0 ± 0.2	750
FSDVA	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.0 ± 0.2	6.2 ± 0.2	5.9 ± 0.2	0.4 ± 0.05	12.0 ± 0.1	1000
Transformer											
B4F	φ330	13.5 ± 0.5	17.5 ± 1	12.0 ± 0.3	5.5 ± 0.05	5.4 ± 0.1	4.4 ± 0.1	3.5 ± 0.1	0.4 ± 0.05	8.0 ± 0.1	2000
B5F	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.9 ± 0.1	6.4 ± 0.1	4.6 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1000
B5FL	φ330	17.5 ± 0.5	21.5 ± 1	16.0 ± 0.3	7.5 ± 0.1	6.9 ± 0.1	6.4 ± 0.1	3.95 ± 0.1	0.4 ± 0.05	12.0 ± 0.1	1500