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105°C Operation Available











< List of part numbers with package codes > LQH43PB100M26K LQH43PB100M26L



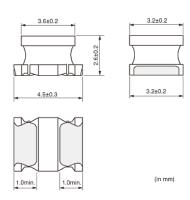
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment, Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer to Our Website and	
Applications	specifications, etc. for information about	
	the performance, functions, quality,	
	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	
Recommended	Consumer equipment	
Applications		



Appearance & Shape





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Notices

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max(ambient temperature 85°C to 105°C). Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.



References

Packaging	Specifications	Standard Packing
		Quantity
К	330Embossed Tape	2500
L	180Embossed Tape	500

Mass (typ.)	
1 piece	0.13g

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Specifications

L size 4.5±0.3mm W size 3.2±0.2mm T size 2.6±0.2mm Size code inch (mm) 1812 (4532) Inductance 10μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 1050mA Rated current (Itemp) 620mA(Ambient temp.85°C) 620mA(Ambient temp.105°C) Max. of DC resistance 0.1764Ω DC resistance 0.147Ω±20% Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata		
T size 2.6±0.2mm Size code inch (mm) 1812 (4532) Inductance 10μH±20% Inductance Test Frequency 1MHz Rated current (lsat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance 10.1764Ω DC resistance 0.147Ω±20% Operating Temperature Range (Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	L size	4.5±0.3mm
Size code inch (mm) Inductance Inductance Test Frequency Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Inductance Inductance change) Rated current (Itemp) (Based on Temperature rise) Inductance change) Inductance change) Inductance change) Inductance change Inductance change) Inductance change Inductance change Inductance Induc	W size	3.2±0.2mm
Inductance 10μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 1050mA Rated current (Itemp) 1170mA(Ambient temp.85°C) (Based on Temperature rise) 620mA(Ambient temp.105°C) Max. of DC resistance 0.1764Ω DC resistance 0.147Ω±20% Operating Temperature -40°C to 125°C rise is included) -40°C to 105°C Operating Temperature rise is not included) -40°C to 105°C Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) 20MHz	T size	2.6±0.2mm
Inductance Test Frequency Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance DC resistance Operating Temperature Range (Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Size code inch (mm)	1812 (4532)
Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance DC resistance Operating Temperature Range (Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Inductance	10μH±20%
on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance DC resistance 0.1764Ω DC resistance 0.147Ω±20% Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Inductance Test Frequency	1MHz
(Based on Temperature rise) 620mA(Ambient temp.105°C) Max. of DC resistance 0.1764Ω DC resistance 0.147Ω±20% Operating Temperature -40°C to 125°C rise is included) -40°C to 105°C Operating Temperature -40°C to 105°C Range(Self-temperature rise is not included) -40°C to 105°C Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) 20MHz	` ' '	1050mA
Max. of DC resistance 0.1764Ω DC resistance 0.147Ω±20% Operating Temperature -40°C to 125°C rise is included) -40°C to 125°C Operating Temperature -40°C to 105°C Range(Self-temperature rise is not included) -40°C to 105°C Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) 20MHz	Rated current (Itemp)	1170mA(Ambient temp.85°C)
DC resistance 0.147Ω±20% Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	(Based on Temperature rise)	620mA(Ambient temp.105°C)
Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Max. of DC resistance	0.1764Ω
Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.) -40°C to 125°C -40°C to 105°C Shielded (Magnetic Resin)	DC resistance	0.147Ω±20%
Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Range (Self-temperature	-40°C to 125°C
Self resonance frequency (min.) 20MHz	Range(Self-temperature rise	-40°C to 105°C
(min.)	Class of magnetic shield	Shielded (Magnetic Resin)
Brand Murata	· · ·	20MHz
	Brand	Murata
Series LQH43PB_26	Series	LQH43PB_26

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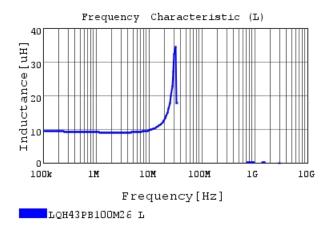
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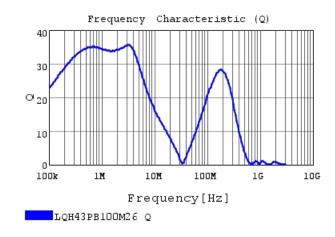


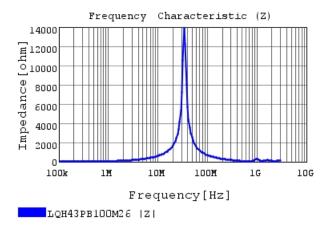
Characteristic Data

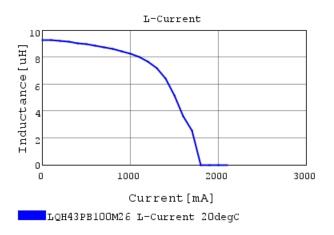
LQH43PB100M26#

The charts below may show another part number which shares its characteristics.









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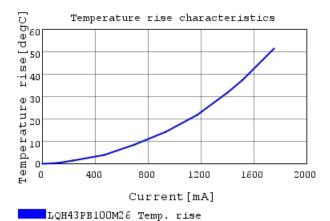


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