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Please download the latest datasheet of LQH43PH221M26# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=LQH43PH221M26%23

"#"at the end indicates the package specification code.

Size code 1812(4532)in inch(in mm), 125°C Operation Available















< List of part numbers with package codes > LQH43PH221M26K LQH43PH221M26L

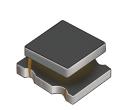


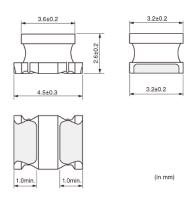
Applications

Unsuitable	Please be sure to read and comply with	
	. ,	
Applications	these "Precautions for use."	
	Consumer equipment, Automotive	
	infotainment/comfort equipment,	
	Automotive powertrain/safety equipment,	
	Medical equipment [GHTF A/B/C]	
	except for implant & surgery & auto	
	injector,Industrial 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	Automotive powertrain/safety equipment	
Applications		



Appearance & Shape





1 of 5

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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

2 of 5

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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 220μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) Rated current (Itemp) 240mA(Ambient temp.85°C) 130mA(Ambient temp.105°C) Max. of DC resistance 3.48Ω DC resistance 2.900Ω±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 Series LQH43PH 26		
T size 2.6±0.2mm Size code inch (mm) 1812 (4532) Inductance 220μH±20% Inductance Test Frequency Inductance Test Frequency Inductance Change Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance 2.900Ω±20% DC resistance 2.900Ω±20% Operating Temperature Range (Self-temperature Range (Self-temperature Range(Self-temperature rise is included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	L size	4.5±0.3mm
Size code inch (mm) 1812 (4532) Inductance 220μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) 130mA(Ambient temp.85°C) (Based on Temperature rise) 130mA(Ambient temp.105°C) Max. of DC resistance 2.900Ω±20% DC resistance 2.900Ω±20% Operating Temperature Range (Self-temperature Range (Self-temperature Range(Self-temperature rise is included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	W size	3.2±0.2mm
Inductance 220μH±20% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 220mA Rated current (Itemp) 240mA(Ambient temp.85°C) (Based on Temperature rise) 130mA(Ambient temp.105°C) Max. of DC resistance 2.900Ω±20% DC resistance 2.900Ω±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.) 2MHz Brand Murata	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 2.900Ω±20% Operating Temperature Range (Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	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 2.900Ω±20% Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature) Self resonance frequency (min.) Brand 220mA 220mA 220mA 240mA(Ambient temp.85°C) 130mA(Ambient temp.105°C) 130mA(Ambient temp.105°C) 130mA(Ambient temp.105°C) 130mA(Ambient temp.85°C) 130mA(Ambient temp.	Inductance	220µH±20%
on Inductance change) Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance 2.900Ω±20% Operating Temperature Range (Self-temperature Range (Self-temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature Range (Self-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.) Brand Murata	Inductance Test Frequency	1MHz
(Based on Temperature rise) 130mA(Ambient temp.105°C) Max. of DC resistance 3.48Ω DC resistance 2.900Ω±20% Operating Temperature -40°C to 125°C rise is included) -40°C to 105°C Operating Temperature -40°C to 105°C Is not included) Shielded (Magnetic Resin) Self resonance frequency (min.) 2MHz Brand Murata	` ' '	220mA
Max. of DC resistance 3.48Ω DC resistance 2.900Ω±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.) 2MHz Brand Murata	` ' '	
DC resistance 2.900Ω±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.) Brand Murata	(Based on Temperature rise)	130mA(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.) Brand Murata	Max. of DC resistance	3.48Ω
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	DC resistance	2.900Ω±20%
Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	Range (Self-temperature	-40°C to 125°C
Self resonance frequency (min.) Brand Murata	Range(Self-temperature rise	-40°C to 105°C
(min.) Brand Murata	Class of magnetic shield	Shielded (Magnetic Resin)
		2MHz
Series LQH43PH 26	Brand	Murata
_	Series	LQH43PH_26

3 of 5

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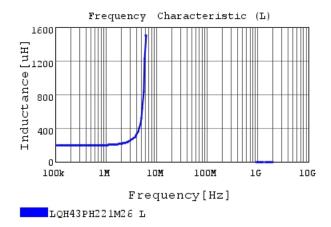
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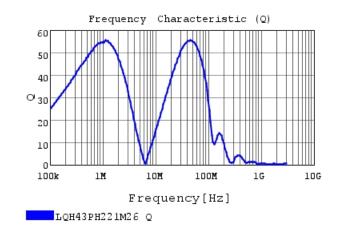


Characteristic Data

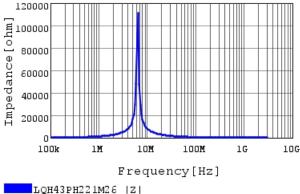
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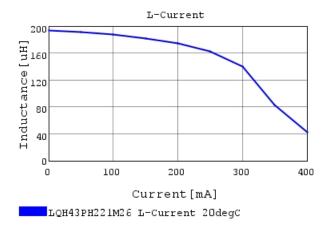
The charts below may show another part number which shares its characteristics.











4 of 5

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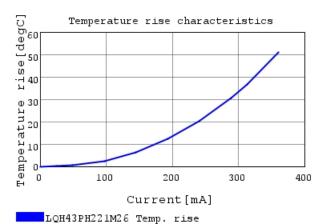


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5 of 5

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