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Please download the latest datasheet of LQH2HPZ4R7MJR# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH2HPZ4R7MJR%23

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

Size Code 2520 (1008) in mm (in inch), 1.2mm max. Thickness。 Low DC resistance design

















#### < List of part numbers with package codes > LQH2HPZ4R7MJRL



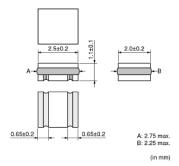
### **Applications**

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



### Appearance & Shape





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#### **Notices**

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C. 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).



### References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.023g

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## **Specifications**

L size 2.5±0.2mm  T size 2.0±0.2mm  T size 1.1±0.1mm  Size code inch (mm) 1008 (2520)  Inductance 4.7μH±20%  Inductance Test Frequency 1MHz  Rated current (Isat) (Based on Inductance change) 1230mA  Rated current (Itemp) 1290mA(Ambient temp.85°C) 770mA(Ambient temp.105°C)  Max. of DC resistance 0.204Ω  DC resistance 0.17Ω±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 LQH2HPZ_JR		
T size  1.1±0.1mm  Size code inch (mm)  1008 (2520)  Inductance  4.7μH±20%  Inductance Test Frequency  Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  DC resistance  1230mA  1290mA(Ambient temp.85°C)  770mA(Ambient temp.105°C)  Max. of DC resistance  0.204Ω  DC resistance  0.17Ω±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	L size	2.5±0.2mm
Size code inch (mm)  1008 (2520)  Inductance  4.7μH±20%  Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  1290mA(Ambient temp.85°C)  770mA(Ambient temp.105°C)  Max. of DC resistance  0.204Ω  DC resistance  0.17Ω±20%  Operating Temperature  Range (Self-temperature  Range (Self-temperature  Range(Self-temperature rise included)  Operating Temperature  Range(Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	W size	2.0±0.2mm
Inductance  Inductance Test Frequency  Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  Inductance change)  Inductance change  Inductance change	T size	1.1±0.1mm
Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp) (Based on Temperature rise)  Max. of DC resistance  DC resistance  O.204Ω  DC resistance  O.17Ω±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	Size code inch (mm)	1008 (2520)
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 included)  Operating Temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature rise is not included)  Class of magnetic shield  Self resonance frequency (min.)  Brand  1230mA  1230	Inductance	4.7μH±20%
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.)  Brand  Murata	Inductance Test Frequency	1MHz
(Based on Temperature rise)       770mA(Ambient temp.105°C)         Max. of DC resistance       0.204Ω         DC resistance       0.17Ω±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.)       40MHz         Brand       Murata	, , ,	1230mA
Max. of DC resistance       0.204Ω         DC resistance       0.17Ω±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.)       40MHz         Brand       Murata	` ' '	' '
DC resistance  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)	770mA(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	0.204Ω
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	0.17Ω±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.) 40MHz Brand Murata	Class of magnetic shield	Shielded (Magnetic Resin)
	· · ·	40MHz
Series LQH2HPZ_JR	Brand	Murata
	Series	LQH2HPZ_JR

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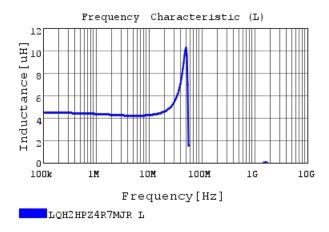
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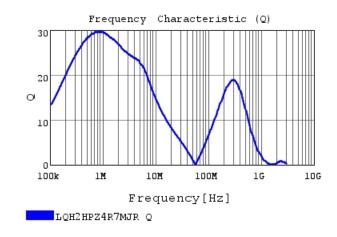
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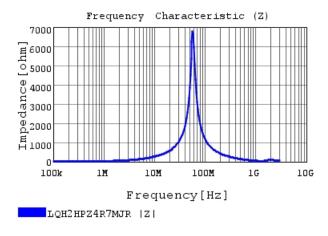


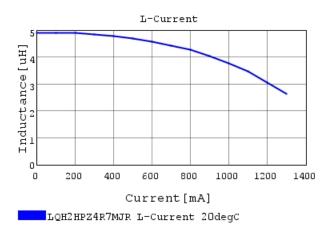
### Characteristic Data

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









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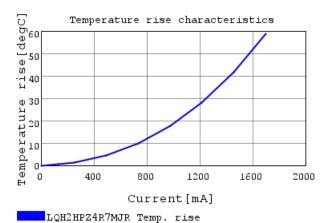


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