

Note: This datasheet may be out of date. Please download the latest datasheet of LQH2HPN100MJR# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=LQH2HPN100MJR%23

LQH2HPN100MJR#

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

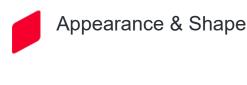
Size Code 2520 (1008) in mm (in inch), 1.2mm max. Thickness. Low DC resistance design

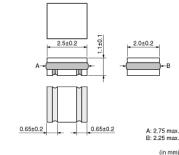


< List of part numbers with package codes > LQH2HPN100MJRL

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	Canaumar aquinment	
Applications	Consumer equipment	







When rated current is applied to the products, inductance will be within $\pm 30\%$ of initial inducta

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, the self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C). When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85 °C).

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without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.





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References

	Specifications	Standard
Packaging		Packing Quantity
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.023g

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Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	1.1±0.1mm
Size code inch (mm)	1008 (2520)
Inductance	10µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	830mA
Rated current (Itemp)	830mA(Ambient temp.85°C)
(Based on Temperature rise)	490mA(Ambient temp.105°C)
Max. of DC resistance	0.456Ω
DC resistance	0.38Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105℃
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	30MHz
Brand	Murata
Series	LQH2HPN_JR

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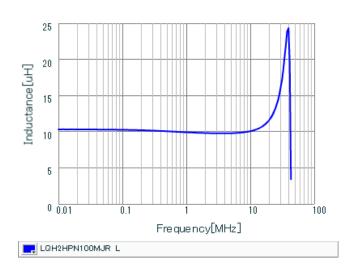
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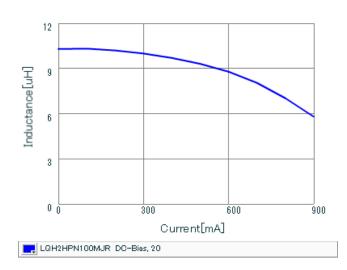
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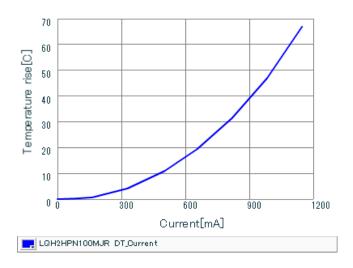
Characteristic Data

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Inductance - Frequency Characteristics



Temperature Increase Characteristic



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