

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH2MPN4R7MGR# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH2MPN4R7MGR%23

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

0806(inch) / 2016(mm) size, 0.95 mm max height, low DC resistance inductor.















< List of part numbers with package codes > LQH2MPN4R7MGRL



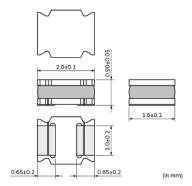
Applications

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	0	
Applications	Consumer equipment	



Appearance & Shape







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, 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 to 105°C).

1 of 5

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





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References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	3000

Mass (typ.)		
1 piece		0.01g

2 of 5

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Specifications

L size	2.0±0.1mm
L Size	2.0±0.1mm
W size	1.6±0.1mm
T size	0.9±0.05mm
Size code inch (mm)	0806 (2016)
Inductance	4.7μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	870mA
Rated current (Itemp)	580mA(Ambient temp.85°C)
(Based on Temperature rise)	340mA(Ambient temp.105°C)
Max. of DC resistance	0.72Ω
DC resistance	0.60Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	40MHz
Brand	Murata
Series	LQH2MPN_GR

3 of 5

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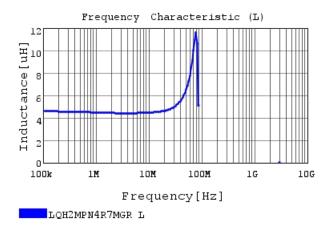
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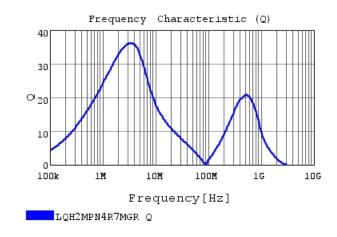
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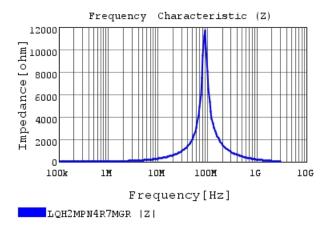


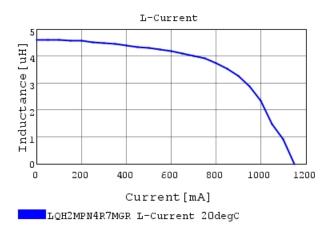
Characteristic Data

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









4 of 5

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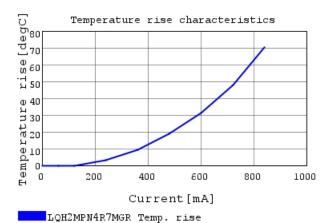


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5 of 5

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