

Product Search Data Sheet

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Please download the latest datasheet of LQM2HPN1R0MG0# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=LQM2HPN1R0MG0%23

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

Size Code 2520 (1008) in mm (in inch), 1.0mm max. Thickness

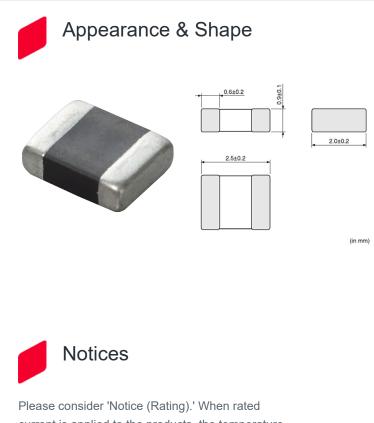


< List of part numbers with package codes > LQM2HPN1R0MG0B LQM2HPN1R0MG0L

LQM2HPN1R0MG0L

# 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	O	
Applications	Consumer equipment	



current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max.

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#### Attention

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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

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	1000
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.022g

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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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LQM2HPN1R0MG0L

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# Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	0.9±0.1mm
Size code inch (mm)	1008 (2520)
Inductance	1µH±20%
Inductance Test Frequency	1MHz
Rated current (Itemp)	1.6A(Ambient temp.85°C)1.2A
(Based on Temperature rise)	(Ambient temp.125°C)
Max. of DC resistance	0.069Ω
DC resistance	0.055Ω(Тур.)
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	60MHz
Brand	Murata
Operating Temperature Range	-55°C to 125°C
Series	LQM2HPN_G0

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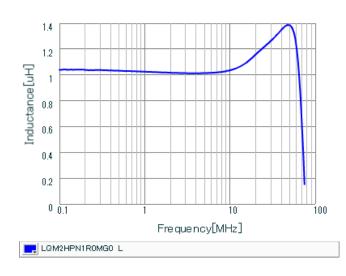
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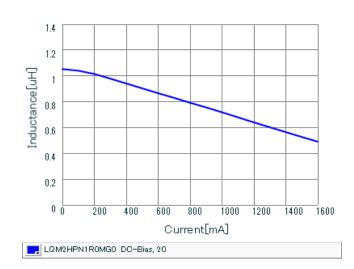
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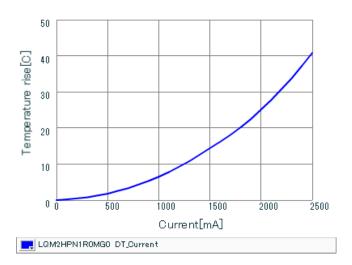
# Characteristic Data

LQM2HPN1R0MG0L





### Inductance - Frequency Characteristics



**Temperature Increase Characteristic** 

### Impedance - Current Characteristics

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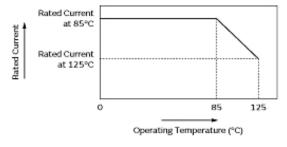
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LQM2HPN1R0MG0L

In operating temperatures exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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