LQM2HPN1R0MG0L

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

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

In Production | RoHS | REACH | 125 °C max. | Multi-layer | Reflow OK | Flow OK

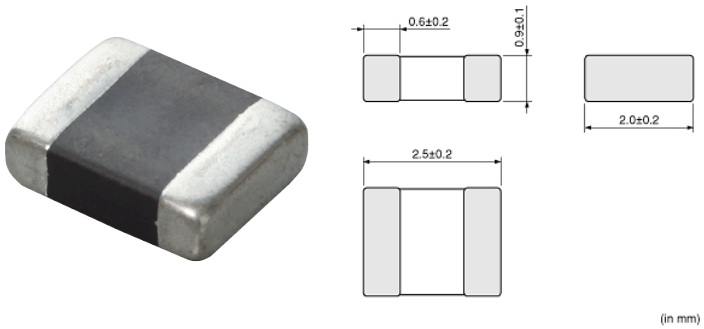
< List of part numbers with package codes >

LQM2HPN1R0MG0B LQM2HPN1R0MG0L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer 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 Applications	Consumer equipment

Appearance & Shape



Notices

Please consider 'Notice (Rating).' When rated 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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References

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

Mass (typ.)	
1 piece	0.022g

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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) (Based on Temperature rise)	1.6A(Ambient temp.85℃)1.2A (Ambient temp.125℃)
Max. of DC resistance	0.069Ω
DC resistance	0.055Ω(Typ.)
Class of magnetic shield	Shielded（Ferrite Core）
Self resonance frequency (min.)	60MHz
Brand	Murata
Operating Temperature Range	-55℃ to 125℃
Series	LQM2HPN_G0

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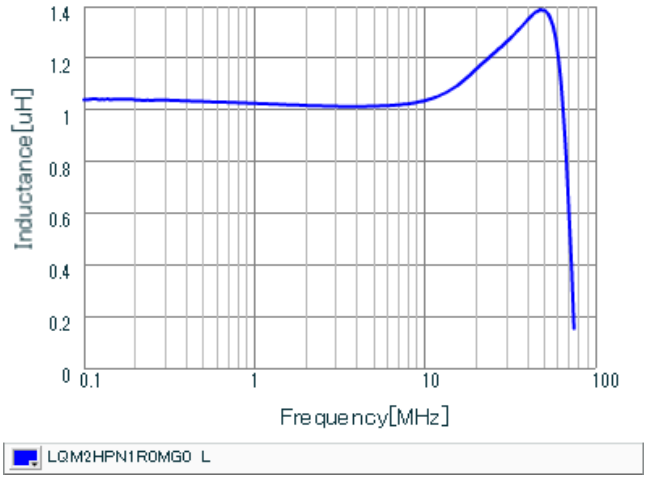
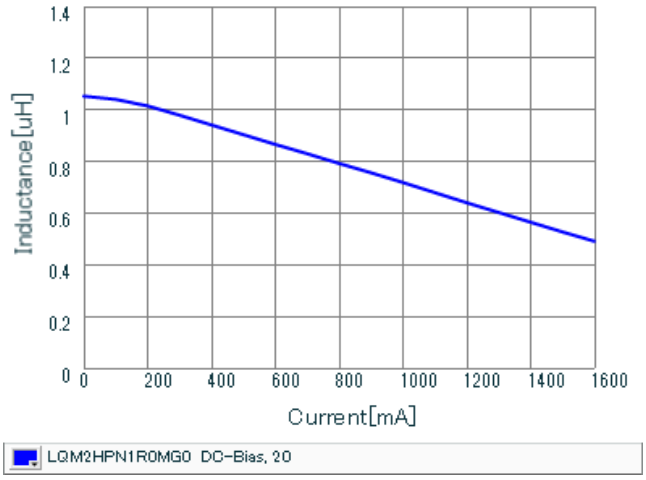
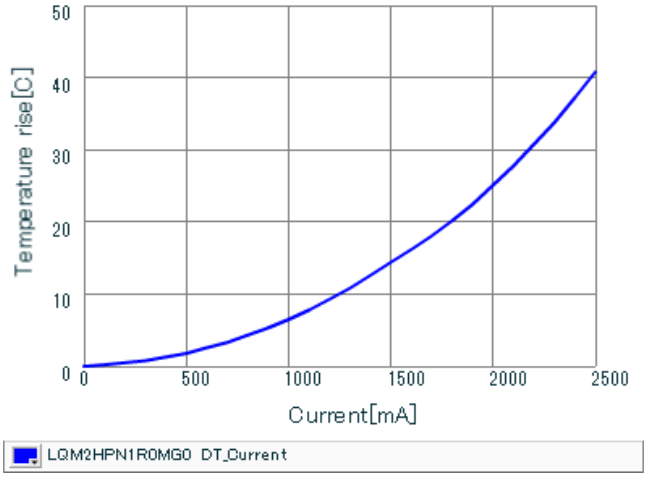
Characteristic Data



Inductance - Frequency Characteristics



Impedance - Current Characteristics



Temperature Increase Characteristic

LQM2HPN1R0MG0L

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Notice For General

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