

LQM2HPN1R0MEH#

“#” indicates a package specification code.

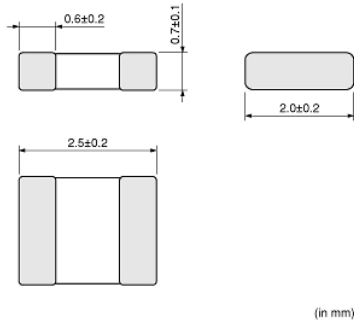
This component has greater current saturation characteristic than existing LQM2HP series and height is 0.8mm max.



< List of part numbers with package codes >

LQM2HPN1R0MEHB LQM2HPN1R0MEHL

Appearance & Shape



References

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

Mass (typ.)	
1 piece	0.016g

Notices

When rated current is applied to the products, inductance will be within $\pm 30\%$ of initial inductance value range. When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
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Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	0.7±0.1mm
Size code inch (mm)	1008 (2520)
Inductance	1μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1.9A(Max) / 2.1A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	1.65A(Max) / 2.0A(Typ.)
Max. of DC resistance	0.119Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	50MHz
Brand	Murata
DC Resistance Intermediate Values	0.095Ω(typ.)
Operating Temperature Range	-40°C to 85°C
Series	LQM2HPN_EH

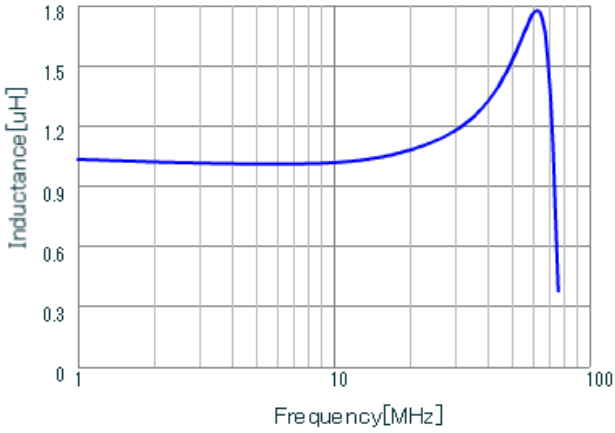
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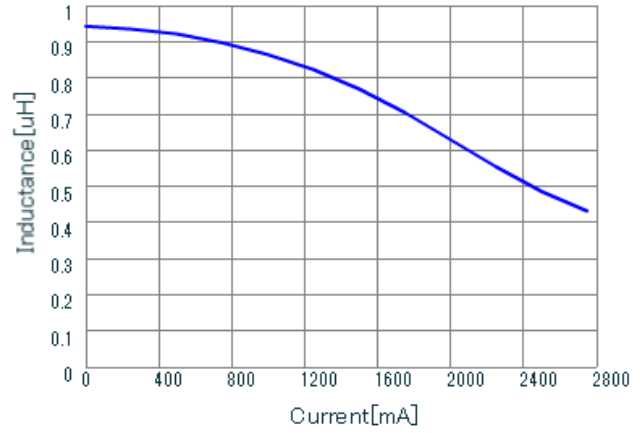
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Characteristic Data

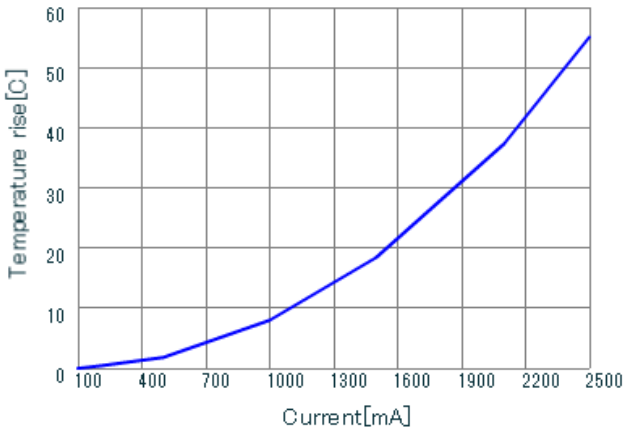


LQM2HPN1R0MEH L



LQM2HPN1R0MEH DC-Bias, 20

Inductance - Frequency Characteristics



LQM2HPN1R0MEH DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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