muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of LQM2HPN1R5MCH# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQM2HPN1R5MCH%23

LQM2HPN1R5MCH#

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

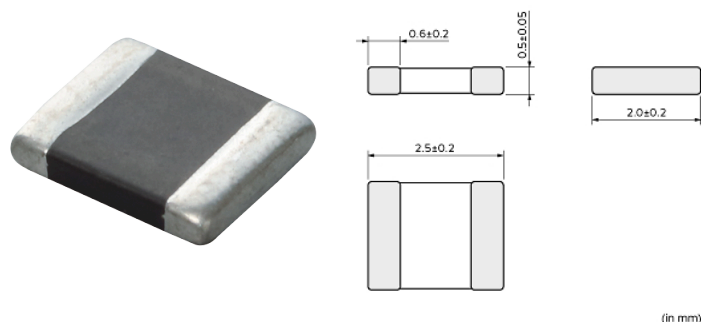Realized both good bias current characteristics and low profile of 0.55mm max.

In Production | RoHS | REACH | 85°C max. | Multi-layer | Bias | Reflow OK

< List of part numbers with package codes >

LQM2HPN1R5MCHB   LQM2HPN1R5MCHK   LQM2HPN1R5MCHL

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

0.6±0.2
0.5±0.05
2.0±0.2
2.5±0.2

(in mm)

Notices

When rated current is applied to the products, inductance will be within ±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.

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URL : https://www.murata.com/

Last updated05/19/2024

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References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
K	330Embossed Tape	10000
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.014g

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Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	0.5±0.05mm
Size code inch (mm)	1008 (2520)
Inductance	1.5µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	0.6A(Max.) / 0.7A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	0.95A(Max.) / 1.1A(Typ.)
Max. of DC resistance	0.36Ω
DC resistance	0.285Ω(Typ.)
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	40MHz
Brand	Murata
Operating Temperature Range	-40℃ to 85℃
Series	LQM2HPN_CH

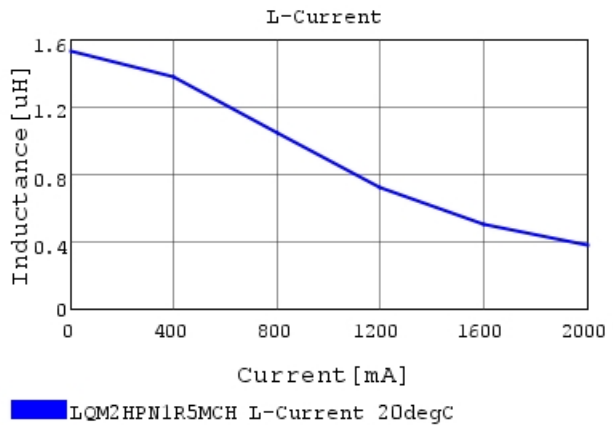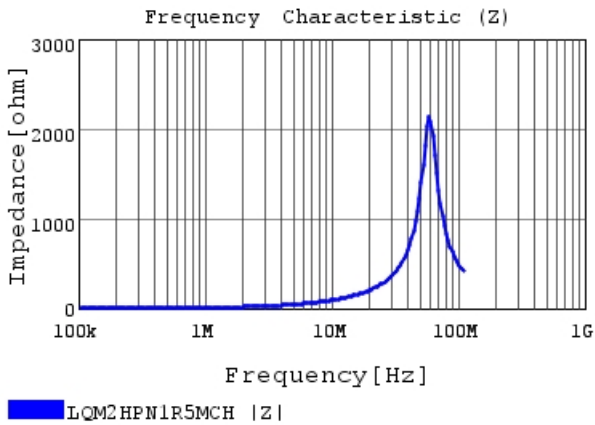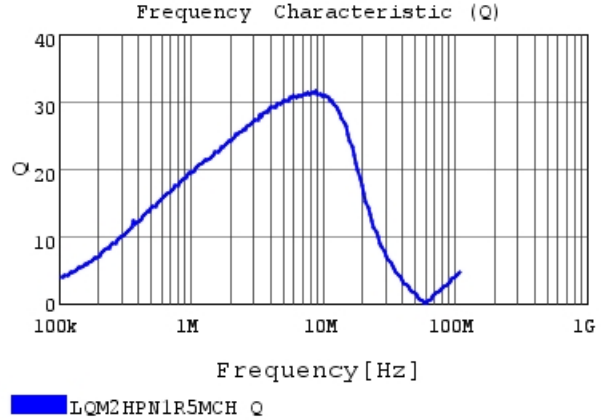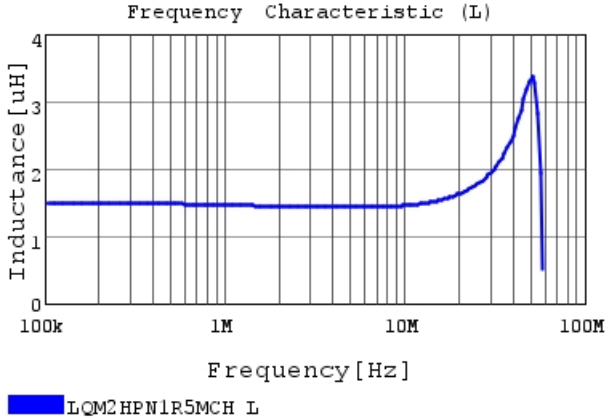URL : https://www.murata.com/

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Characteristic Data

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

Frequency Characteristic (L)

LQM2HPN1R5MCH L

Frequency Characteristic (Q)

LQM2HPN1R5MCH Q

Frequency Characteristic (Z)

LQM2HPN1R5MCH |Z|

L-Current

LQM2HPN1R5MCH L-Current 20degC

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Temperature rise characteristics
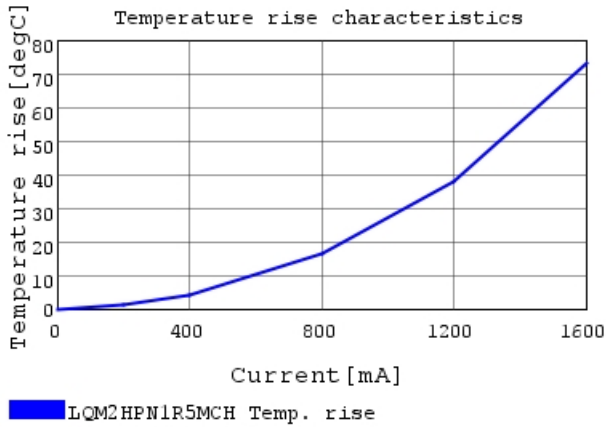
LQM2HPN1R5MCH Temp. rise

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.

2.This datasheet has only typical specifications because there is no space for detailed specifications.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.