

LQM2HPN1R0MCH#

“#” indicates a package specification code.

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



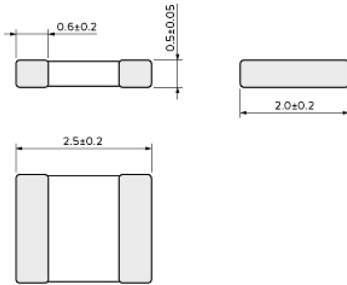
< List of part numbers with package codes >

LQM2HPN1R0MCHB

LQM2HPN1R0MCHK

LQM2HPN1R0MCHL

Appearance & Shape



(in mm)

References

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

| Mass (typ.) | |
|-------------|--------|
| 1 piece | 0.014g |

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 | 0.5±0.05mm |
| Size code inch (mm) | 1008 (2520) |
| Inductance | 1μH±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) | 1.7A(Max.) / 2.1A(Typ.) |
| Max. of DC resistance | 0.1Ω |
| Class of magnetic shield | Ferrite Core |
| Self resonance frequency (min.) | 50MHz |
| Brand | Murata |
| DC Resistance Intermediate Values | 0.08Ω(typ.) |
| Operating Temperature Range | -40°C to 85°C |
| Series | LQM2HPN_CH |

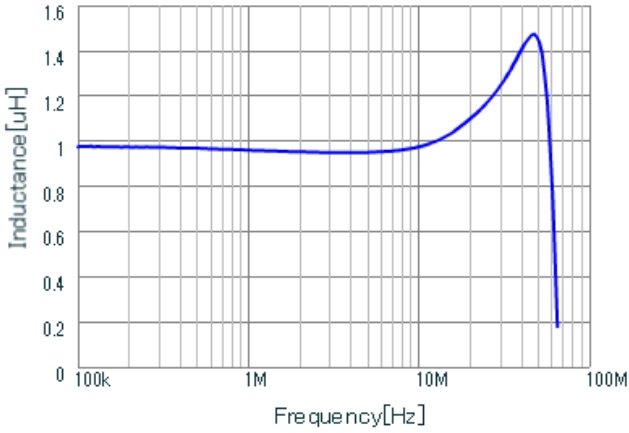
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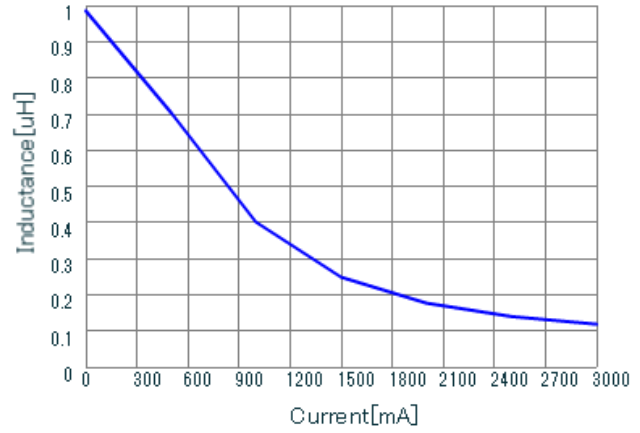
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Characteristic Data

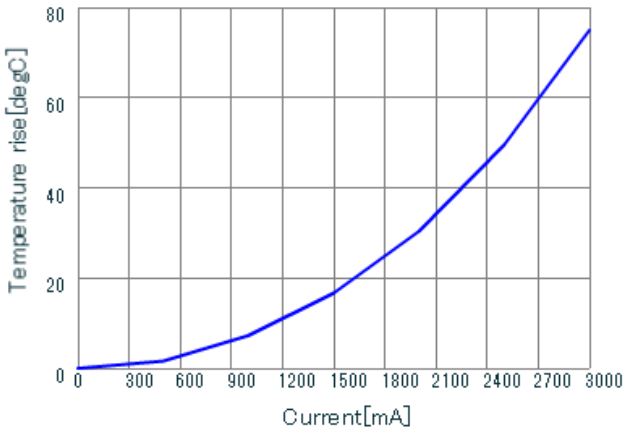


LQM2HPN1R0MCH L



LQM2HPN1R0MCH DC-Bias, 20

Inductance - Frequency Characteristics



LQM2HPN1R0MCH DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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