

LQH44PN100MP0#

“#” indicates a package specification code.

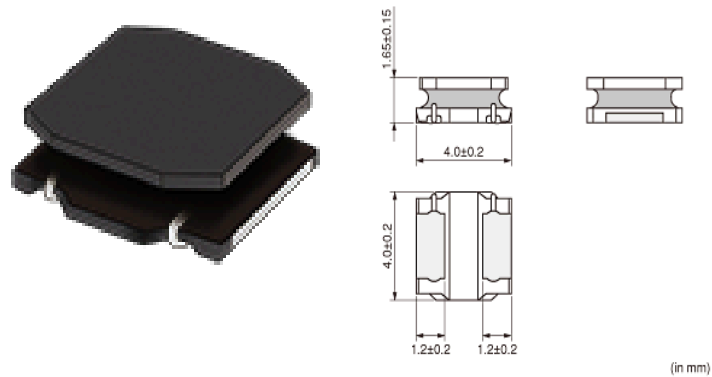
Size Code 4040 (1515) in mm (in inch), 1.8mm max. Thickness



< List of part numbers with package codes >

LQH44PN100MP0K LQH44PN100MP0L

Appearance & Shape



References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| K | 330Embossed Tape | 3500 |
| L | 180Embossed Tape | 1000 |

| Mass (typ.) | |
|-------------|------|
| 1 piece | 0.1g |

Notices

When rated current is applied to the products, inductance will be within $\pm 30\%$ of nominal inductance value. When rated current is applied to the products, 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 | 4.0±0.2mm |
| W size | 4.0±0.2mm |
| T size | 1.65±0.15mm |
| Size code inch (mm) | 1515 (4040) |
| Inductance | 10μH±20% |
| Inductance Test Frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 1150mA |
| Rated current (Itemp) (Based on Temperature rise) | 1170mA |
| Max. of DC resistance | 0.192Ω |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 125°C |
| Class of magnetic shield | Magnetic Resin |
| Self resonance frequency (min.) | 25MHz |
| Operating Temperature Range (Self-temperature rise is not included) | -40°C to 85°C |
| DC Resistance Intermediate Values | 0.16Ω±20% |
| Series | LQH44PN_P0 |

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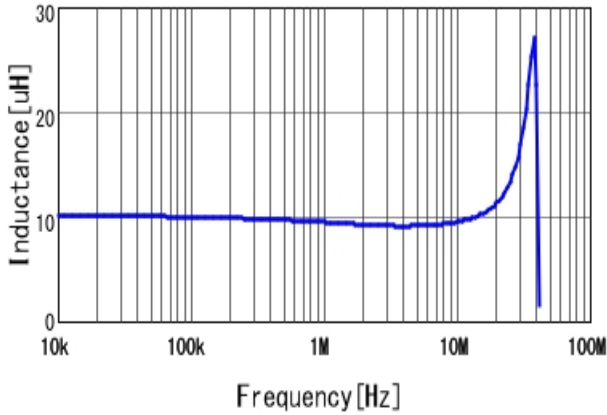
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Characteristic Data

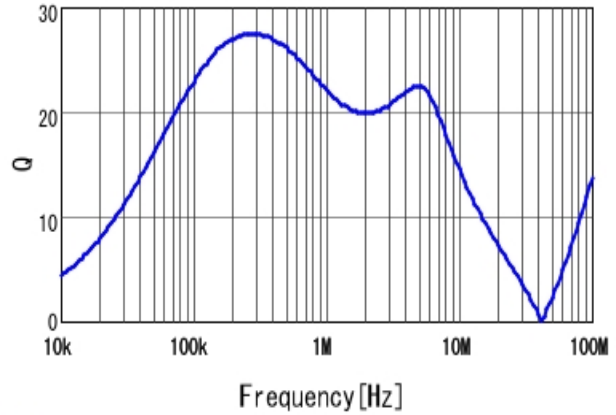
The charts below may show another part number which shares its characteristics.

Frequency Characteristic (L)



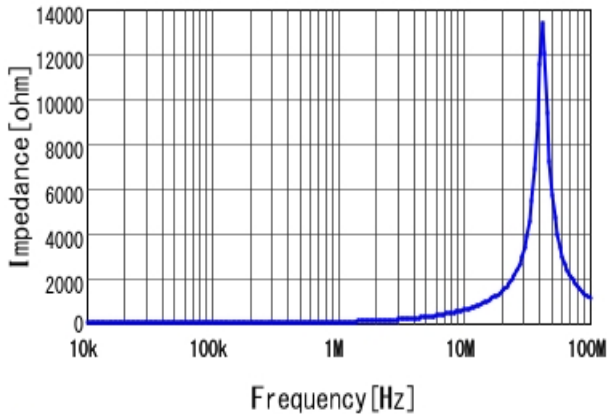
■ LQH44PN100MP0 L

Frequency Characteristic (Q)



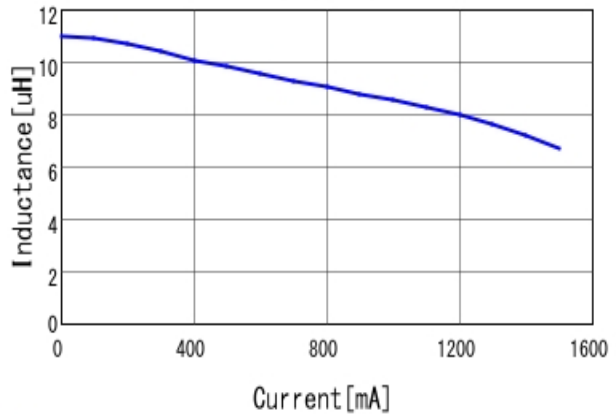
■ LQH44PN100MP0 Q

Frequency Characteristic (Z)



■ LQH44PN100MP0 |Z|

L-Current



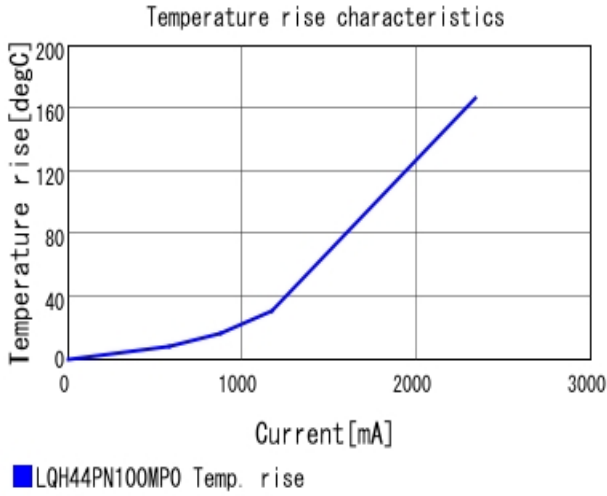
■ LQH44PN100MP0 L-Current 20degC

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