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LQH44PN100MP0#

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

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

Discontinued | RoHS | REACH | 125 °C max. | Wound (Ferrite) | Reflow OK

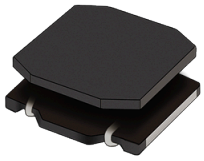
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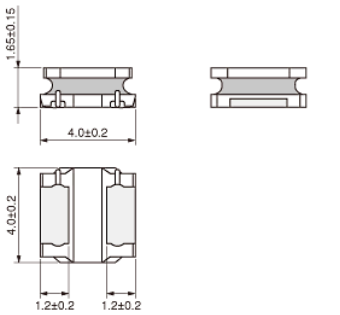
LQH44PN100MP0K LQH44PN100MP0L

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

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

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LQH44PN100MP0#

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References

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

Mass (typ.)	
1 piece	0.1g

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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
DC resistance	0.16Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 85℃
Class of magnetic shield	Shielded（Magnetic Resin）
Self resonance frequency (min.)	25MHz
Brand	Murata
Series	LQH44PN_P0

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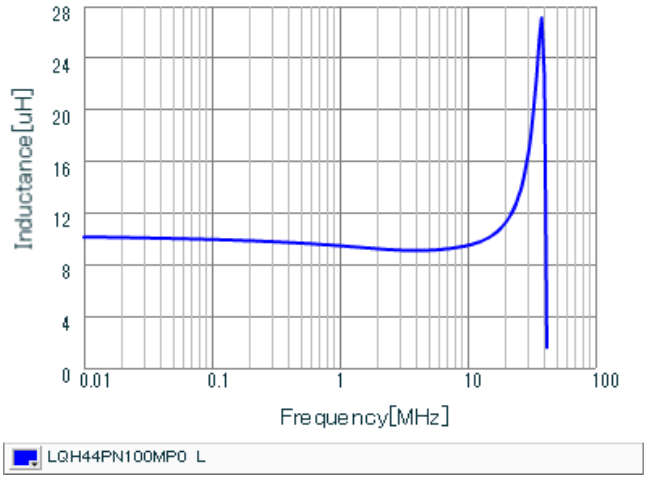
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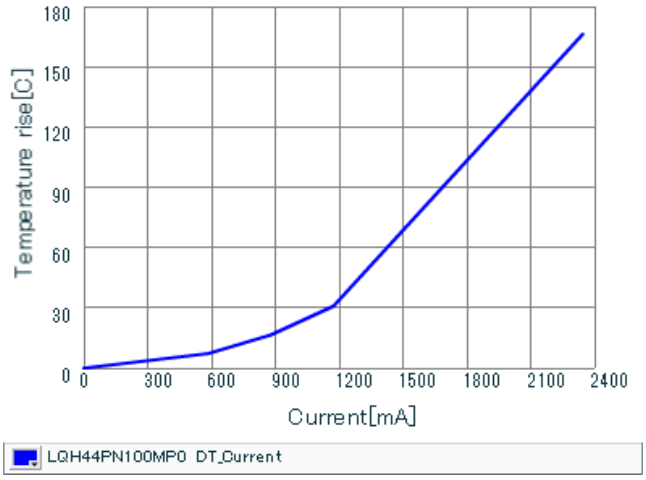
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Characteristic Data



Inductance - Frequency Characteristics



Temperature Increase Characteristic

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