

LQH44PN100MP0#

"#" indicates a package specification code.

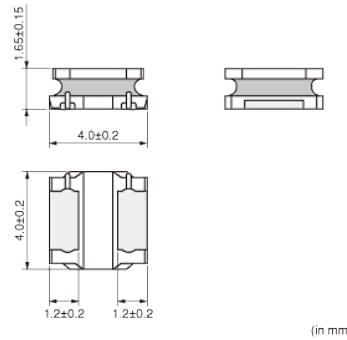
Size Code 4040 (1515) in mm (in inch), 1.8mm max. Thickness



< List of part numbers with package codes >

LQH44PN100MP0L LQH44PN100MP0K

Appearance & Shape



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, 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, its 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.

LQH44PN100MP0#

"#" indicates a package specification code.



References

Packaging	Specifications	Minimum Order Quantity
L	180Embossed Tape	1000
K	330Embossed Tape	3500

Mass (typ.)	
1 piece	0.1g

2 of 5

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.

LQH44PN100MP0#

"#" indicates a package specification code.

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

3 of 5

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.

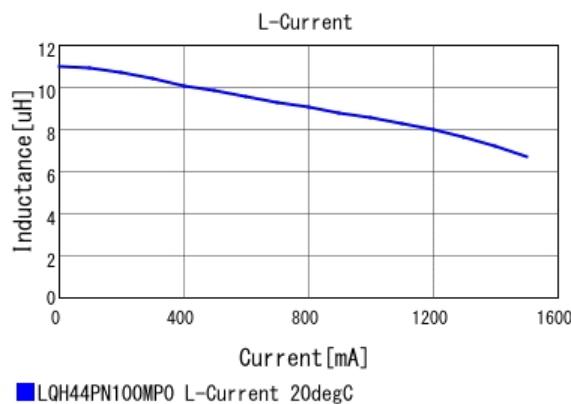
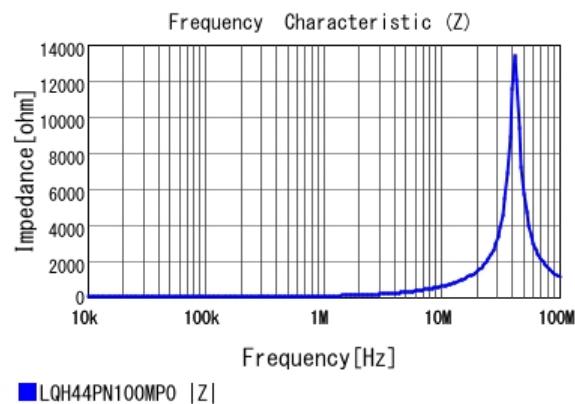
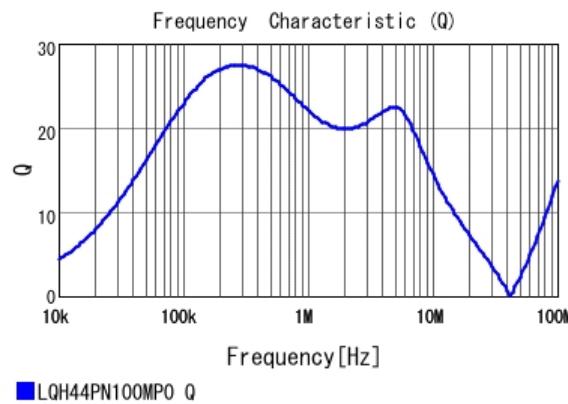
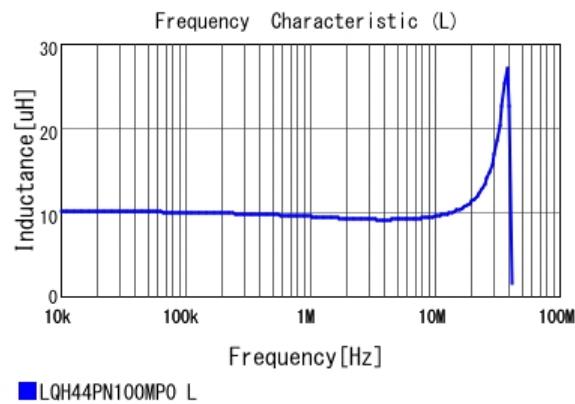
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

LQH44PN100MP0#

"#" indicates a package specification code.

Characteristic Data

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



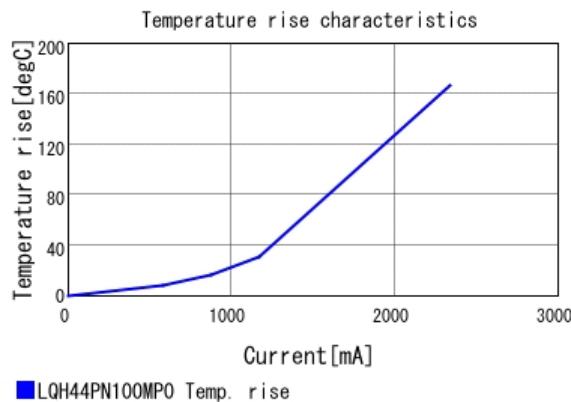
Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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.

LQH44PN100MP0#

"#" indicates a package specification code.



5 of 5

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.