

# LQH44PN100MJ0L

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 LQH44PN100MJ0# from the official website of Murata

<http://www.murata.com/en/products/productdetail?partno=LQH44PN100MJ0%23>

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

Size Code 4040 (1515) in mm (in inch), 1.2mm max. Thickness

Discontinued

RoHS

REACH

125  
°C max.

Wound  
(Ferrite)

Reflow  
OK

< List of part numbers with package codes >

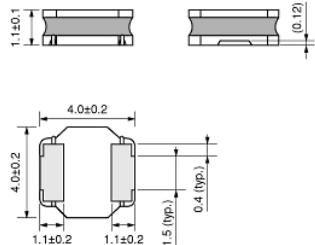
LQH44PN100MJ0K

LQH44PN100MJ0L

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p>
Recommended Applications	Consumer equipment

## Appearance & Shape



(in mm)

## 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  $40^\circ\text{C}$  max. Keep the temperature (ambient temperature plus self-generation of heat) under  $125^\circ\text{C}$ .

1 of 4

### 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.

# LQH44PN100MJ0L

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

## References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	4500
L	180Embossed Tape	1000

Mass (typ.)	
1 piece	0.07g

**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.

# LQH44PN100MJ0L

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

## Specifications

L size	4.0±0.2mm
W size	4.0±0.2mm
T size	1.1±0.1mm
Size code inch (mm)	1515 (4040)
Inductance	10µH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	560mA
Rated current (Itemp) (Based on Temperature rise)	790mA
Max. of DC resistance	0.249Ω
DC resistance	0.207Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	30MHz
Brand	Murata
Series	LQH44PN_J0

**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.

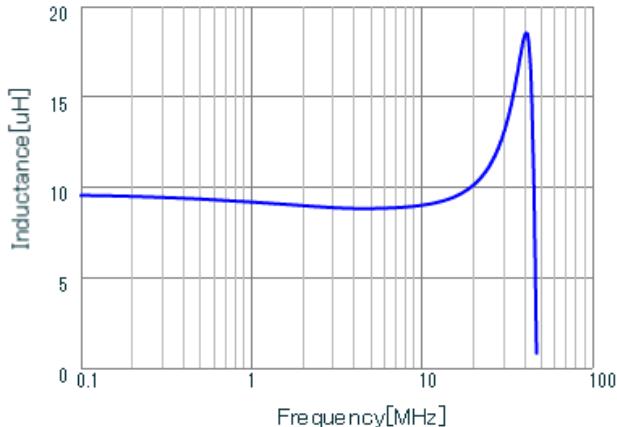
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

# LQH44PN100MJ0L

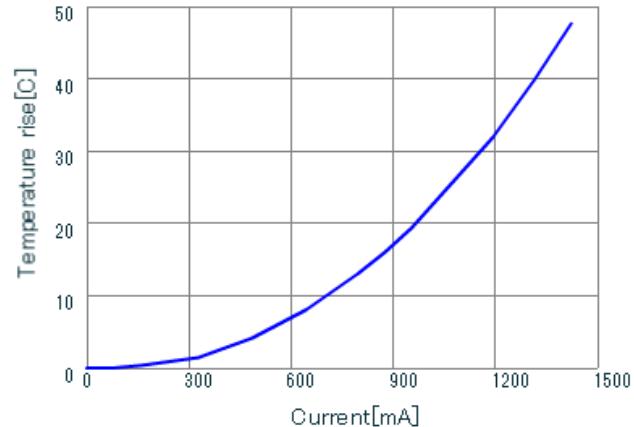
"#"at the end indicates the package specification code.



## Characteristic Data



LQH44PN100MJ0\_L



LQH44PN100MJ0\_DT\_Current

Inductance - Frequency Characteristics

Temperature Increase Characteristic

### 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.