

# LQH44PN470MJ0#

"#" indicates a package specification code.

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



< List of part numbers with package codes >  
LQH44PN470MJ0K      LQH44PN470MJ0L

## 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, operation, and auto-dispenser equipment, Industrial equipment except for transportation, facility and 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.

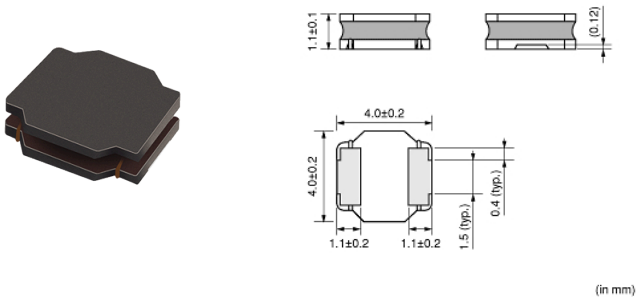
## Notices

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.

## References

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

## Appearance & Shape



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.

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## 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	47μH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	300mA
Rated current (Itemp) (Based on Temperature rise)	380mA
Max. of DC resistance	1.22Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	13MHz
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
Brand	Murata
DC Resistance Intermediate Values	1.014Ω±20%
Series	LQH44PN_J0

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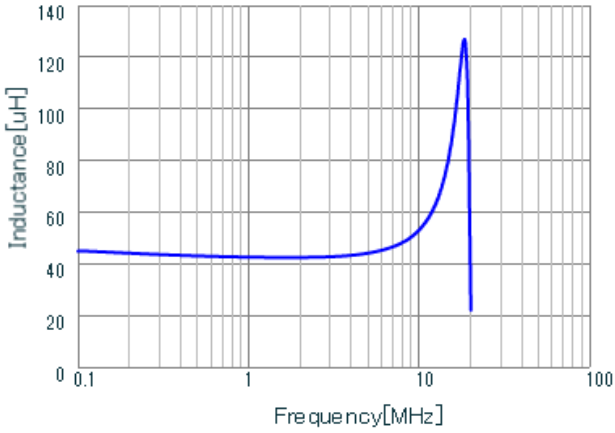
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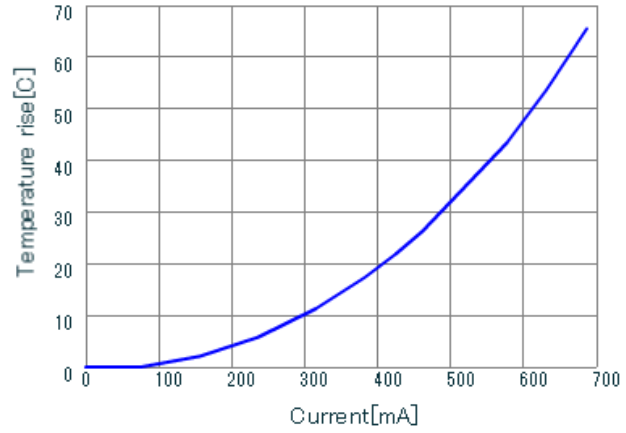
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## Characteristic Data



LQH44PN470MJ0 L



LQH44PN470MJ0 DT\_Current

Inductance - Frequency Characteristics

Temperature Increase Characteristic

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