

# LQH44PN2R2MP0#

“#” indicates a package specification code.

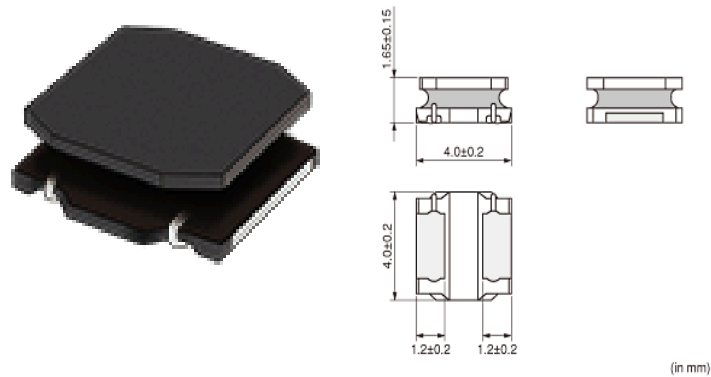
Size Code 4040 (1515) in mm (in inch), 1.8mm max. Thickness



< List of part numbers with package codes >

LQH44PN2R2MP0L      LQH44PN2R2MP0K

## Appearance & Shape



## References

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

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, 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, 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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## 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	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2500mA
Rated current (Itemp) (Based on Temperature rise)	1800mA
Max. of DC resistance	0.0588Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	70MHz
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
DC Resistance Intermediate Values	0.049Ω±20%
Series	LQH44PN_P0

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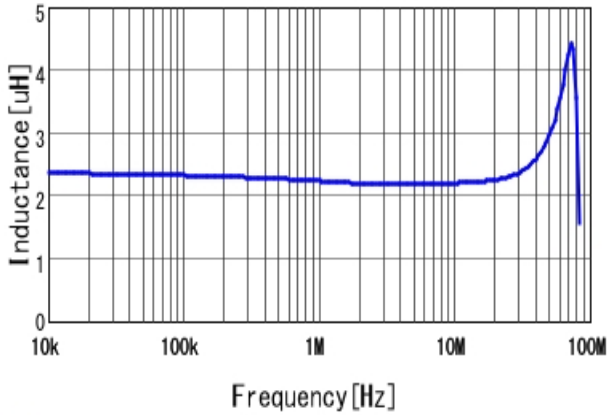
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## Characteristic Data

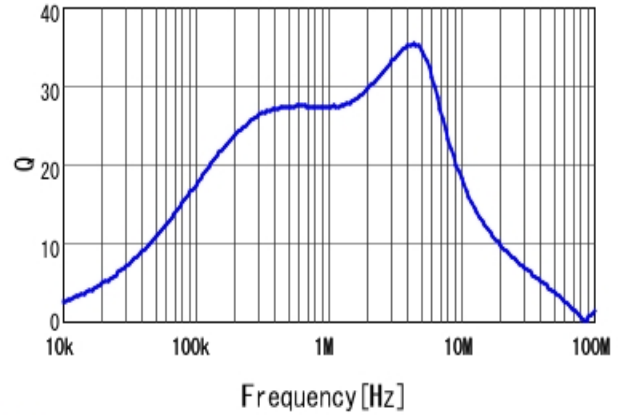
The charts below may show another part number which shares its characteristics.

Frequency Characteristic (L)



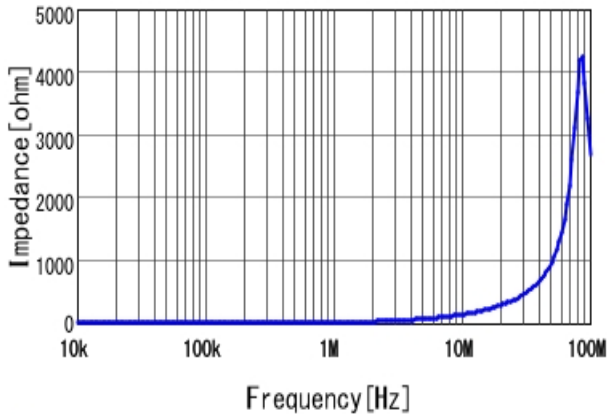
■ LQH44PN2R2MP0 L

Frequency Characteristic (Q)



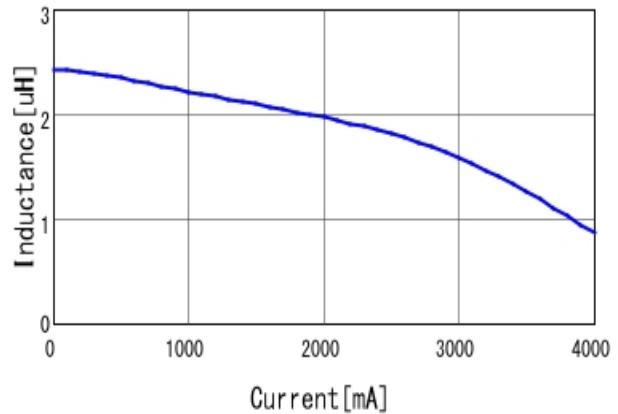
■ LQH44PN2R2MP0 Q

Frequency Characteristic (Z)



■ LQH44PN2R2MP0 |Z|

L-Current



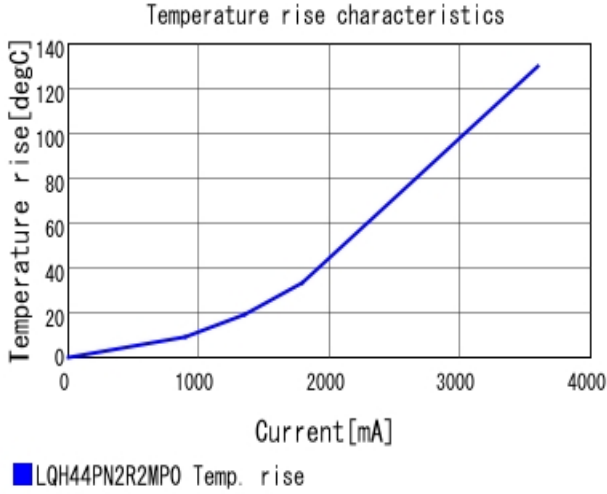
■ LQH44PN2R2MP0 L-Current 20degC

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