

LQH44PN1R0NJ0#

“#” indicates a package specification code.

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



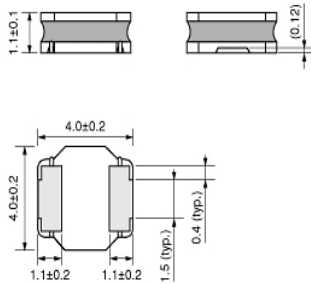
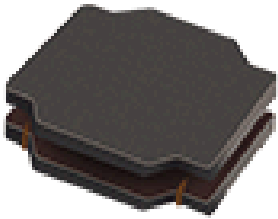
< List of part numbers with package codes >

LQH44PN1R0NJ0L

LQH44PN1R0NJ0K

Appearance & Shape

References



(in mm)

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

Mass (typ.)	
1 piece	0.07g

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.
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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	1μH±30%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	2000mA
Rated current (Itemp) (Based on Temperature rise)	1530mA
Max. of DC resistance	0.0576Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	130MHz
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
DC Resistance Intermediate Values	0.048Ω±20%
Series	LQH44PN_J0

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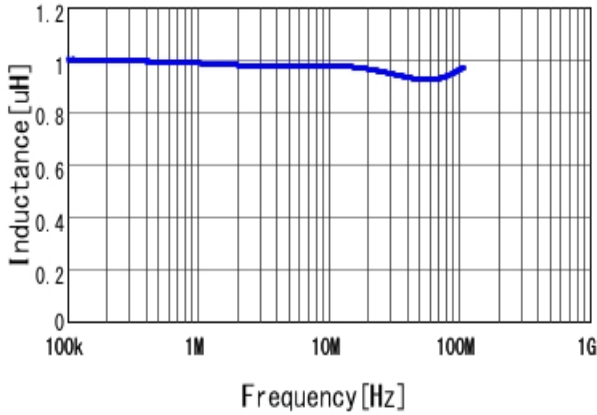
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Characteristic Data

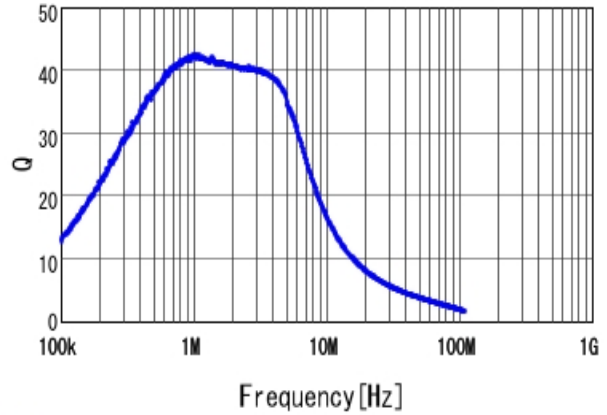
The charts below may show another part number which shares its characteristics.

Frequency Characteristic (L)



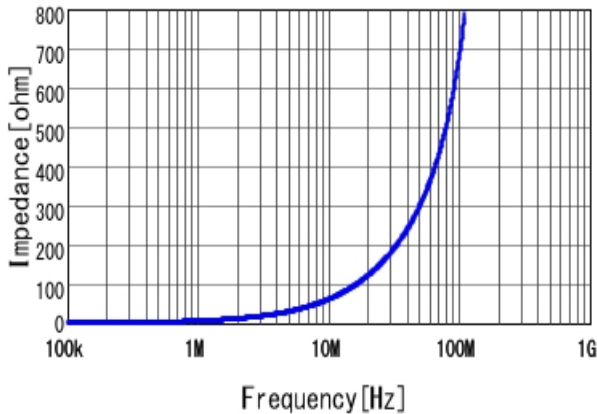
■ LQH44PN1R0NJ0 L

Frequency Characteristic (Q)



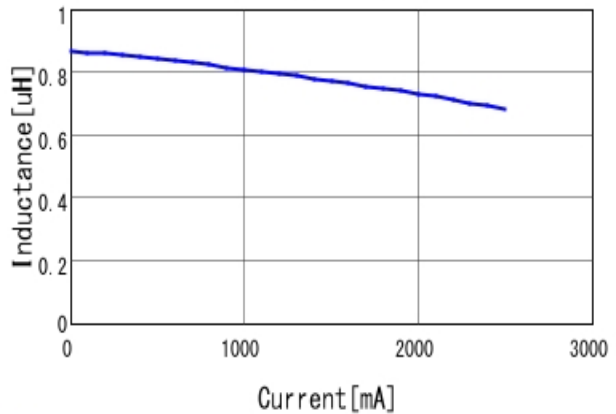
■ LQH44PN1R0NJ0 Q

Frequency Characteristic (Z)



■ LQH44PN1R0NJ0 |Z|

L-Current



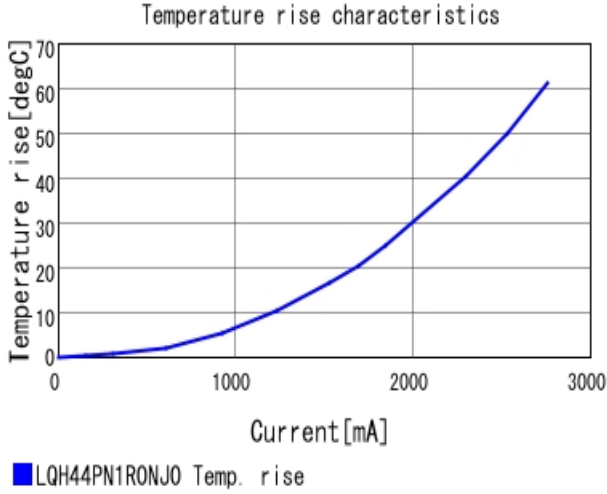
■ LQH44PN1R0NJ0 L-Current 20degC

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