

LQH44PZ2R2NGR#

“#” indicates a package specification code.

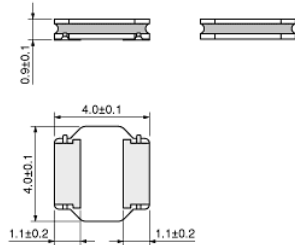
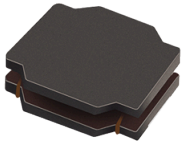
Size Code 4040 (1515) in mm (in inch), 1.0mm max. Thickness. Low DC resistance design



< List of part numbers with package codes >

LQH44PZ2R2NGRK LQH44PZ2R2NGRL

Appearance & Shape



(in mm)

Notices

When rated current is applied to the products, inductance will be within $\pm 30\%$ of initial inductance value range. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C . When rated current is applied to the products, the self-temperature rise shall be limited to 40°C max (ambient temperature 85°C). When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max (ambient temperature 85°C to 105°C).

References

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

Mass (typ.)	
1 piece	0.059g

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±0.1mm
W size	4.0±0.1mm
T size	0.9±0.1mm
Size code inch (mm)	1515 (4040)
Inductance	2.2μH±30%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1600mA
Rated current (Itemp) (Based on Temperature rise)	2000mA(Ambient temp.85°C) 1200mA(Ambient temp. 105°C)
Max. of DC resistance	0.0888Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	45MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.074Ω±20%
Series	LQH44PZ_GR

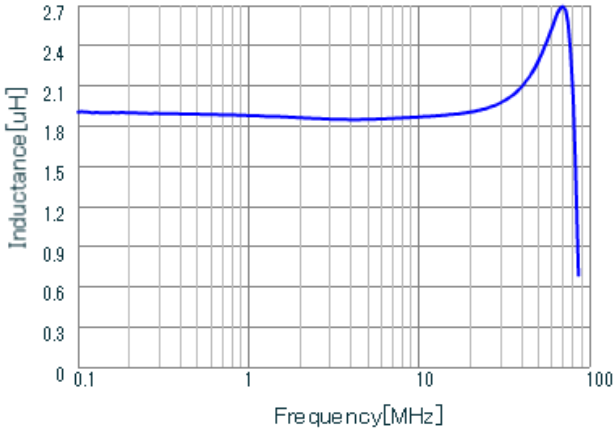
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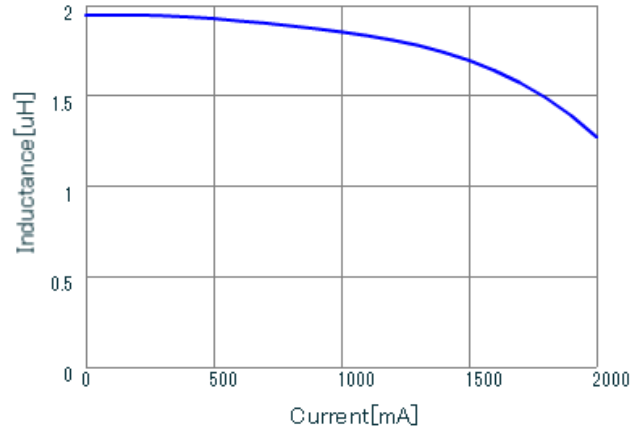
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Characteristic Data

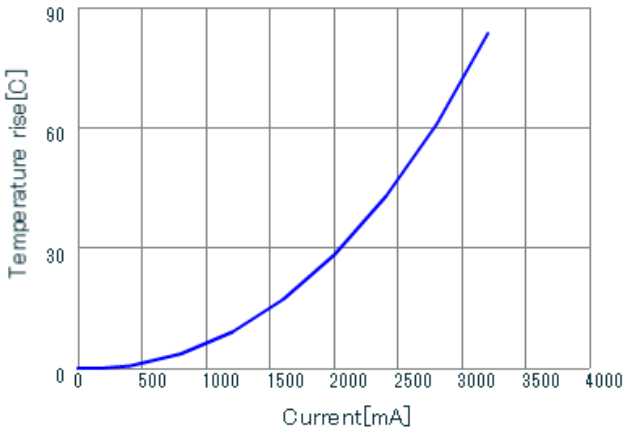


LQH44PZ2R2NGR L



LQH44PZ2R2NGR DC-Bias, 20

Inductance - Frequency Characteristics



LQH44PZ2R2NGR DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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