

LQH44PN100MGR#

“#” indicates a package specification code.

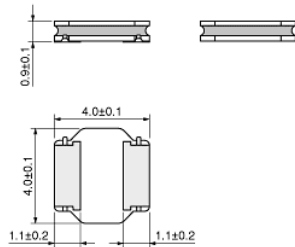
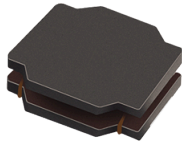
Size Code 4040 (1515) in mm (in inch), 1.0mm max. Thickness. Low DC resistance design



< List of part numbers with package codes >

LQH44PN100MGRK LQH44PN100MGRL

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	330 Embossed Tape	4500
L	180 Embossed Tape	1000

Mass (typ.)	
1 piece	0.059g

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.

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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	10μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	800mA
Rated current (Itemp) (Based on Temperature rise)	1100mA(Ambient temp.85°C) 660mA(Ambient temp.105°C)
Max. of DC resistance	0.324Ω
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 105°C
Brand	Murata
DC Resistance Intermediate Values	0.27Ω±20%
Series	LQH44PN_GR

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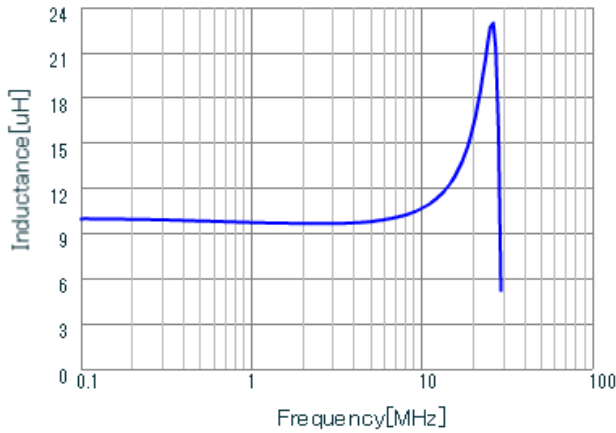
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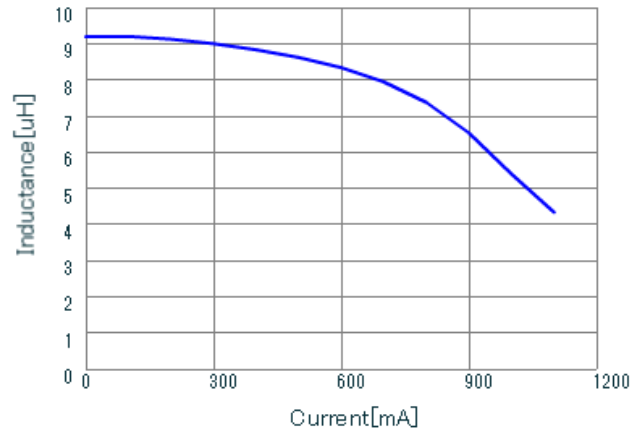
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Characteristic Data

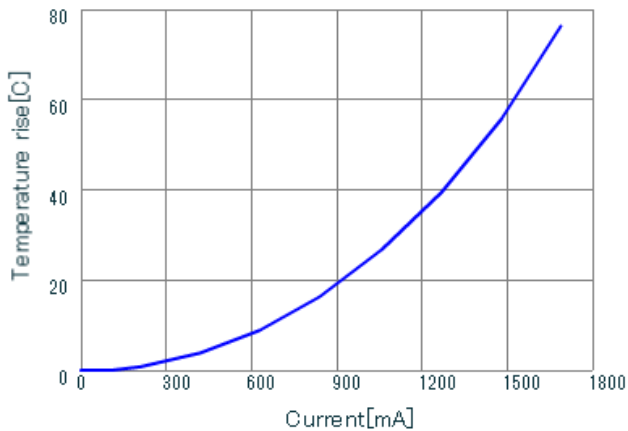


LQH44PN100MGR L



LQH44PN100MGR DC-Bias, 20

Inductance - Frequency Characteristics



LQH44PN100MGR DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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