

LQH3NPN100MGR#

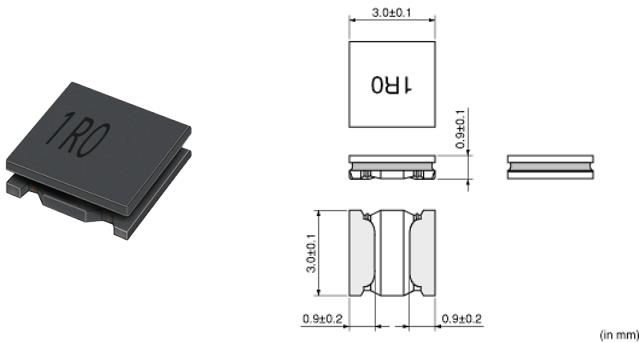
“#” indicates a package specification code.

Size Code 3030 (1212) in mm (in inch), 1.0mm max. Thickness. Low DC Resistance Type



< List of part numbers with package codes >
LQH3NPN100MGRK LQH3NPN100MGRL

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	11000
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.034g

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, temperature rise caused by self-generated heat shall be limited to 40°C max. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max.

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	3.0±0.1mm
W size	3.0±0.1mm
T size	0.9±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	10µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	570mA
Rated current (Itemp) (Based on Temperature rise)	1120mA(Ambient temp.85°C) 670mA(Ambient temp.105°C)
Max. of DC resistance	0.336Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	20MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.28Ω±20%
Series	LQH3NPN_GR

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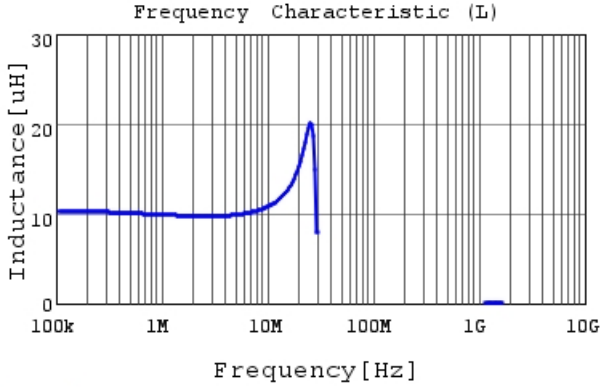
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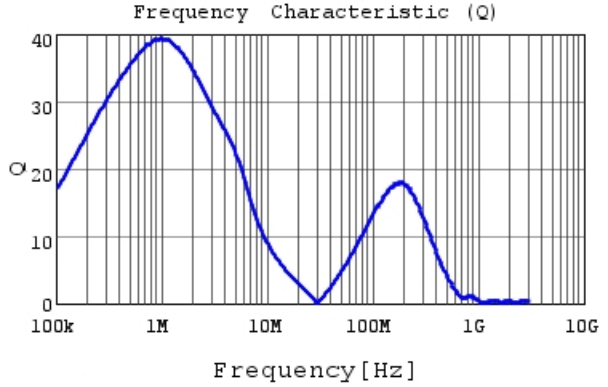


Characteristic Data

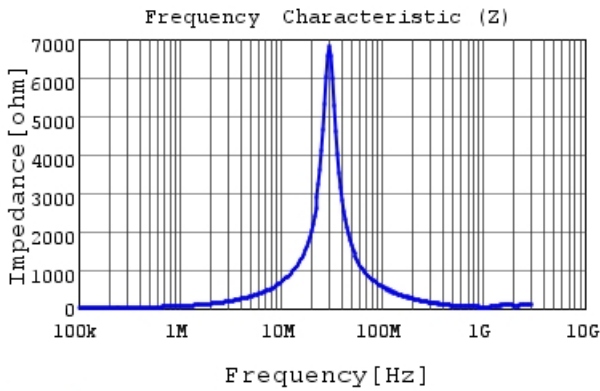
The charts below may show another part number which shares its characteristics.



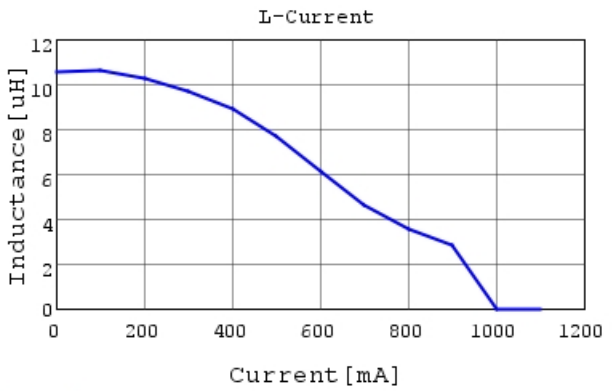
LQH3NPN100MGR L



LQH3NPN100MGR Q



LQH3NPN100MGR |Z|



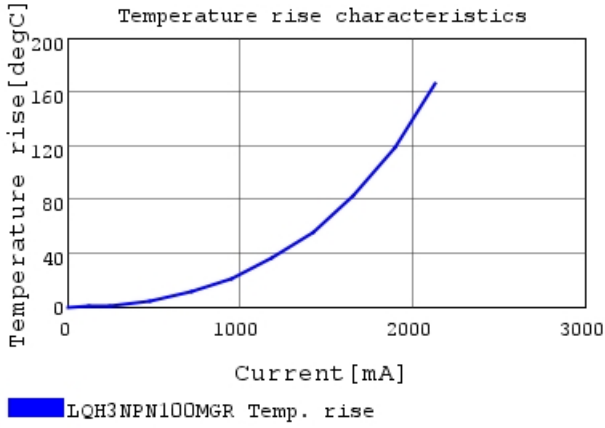
LQH3NPN100MGR L-Current 20degC

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