

# LQH3NPN2R2MGR#

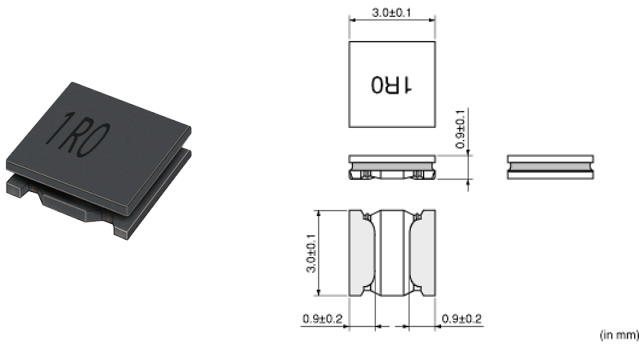
“#” indicates a package specification code.

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



< List of part numbers with package codes >  
LQH3NPN2R2MGRK      LQH3NPN2R2MGRL

## 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  $125^{\circ}\text{C}$ . When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to  $40^{\circ}\text{C}$  max. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to  $20^{\circ}\text{C}$  max.

**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.  
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	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1180mA
Rated current (Itemp) (Based on Temperature rise)	1730mA(Ambient temp.85°C) 1030mA(Ambient temp. 105°C)
Max. of DC resistance	0.1044Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	50MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.087Ω±20%
Series	LQH3NPN_GR

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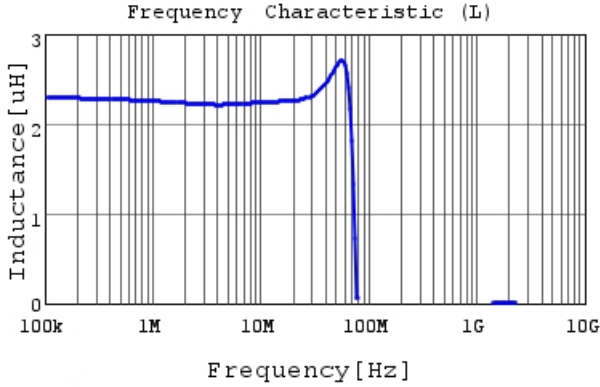
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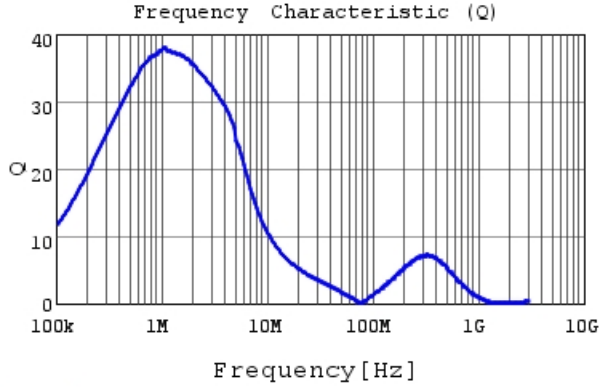


## Characteristic Data

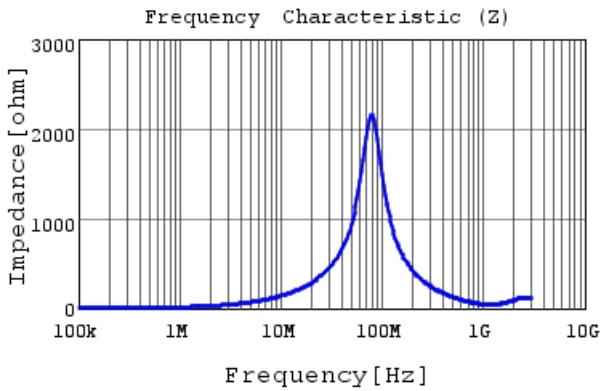
The charts below may show another part number which shares its characteristics.



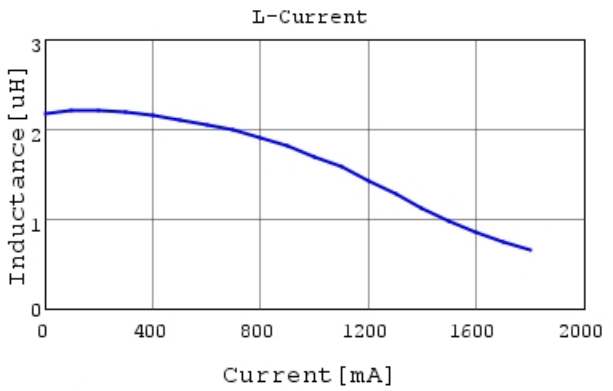
LQH3NPN2R2MGR L



LQH3NPN2R2MGR Q



LQH3NPN2R2MGR |Z|



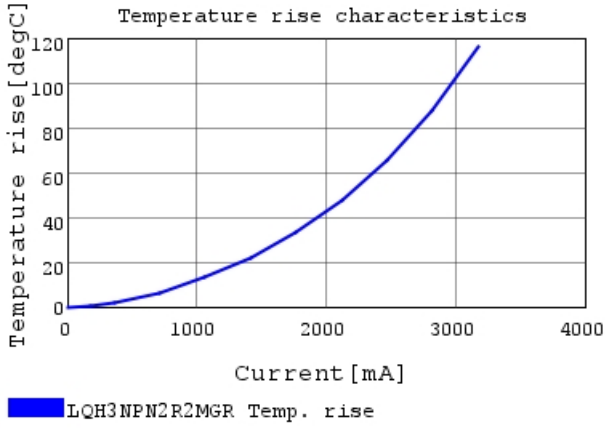
LQH3NPN2R2MGR L-Current 20degC

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