

# LQH3NPN100MMR#

“#” at the end indicates the package specification code.

## Low DC Resistance Type



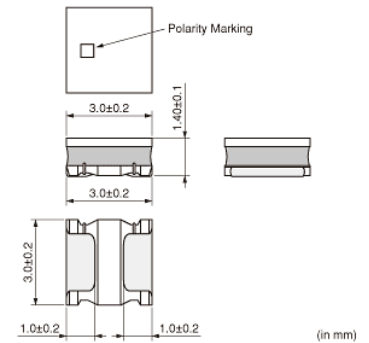
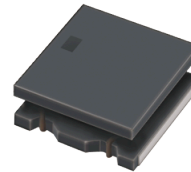
## < List of part numbers with package codes >

LQH3NPN100MMRE      LQH3NPN100MMRF

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Medical equipment [GHTE A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.</p>
Recommended Applications	Consumer equipment

## Appearance & Shape



## 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, 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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## References

Packaging	Specifications	Standard Packing Quantity
E	180Embossed Tape E	2000
F	330Embossed Tape	8000

Mass (typ.)	
1 piece	0.051g

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## Specifications

L size	3.0±0.2mm
W size	3.0±0.2mm
T size	1.4±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	10μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	590mA
Rated current (Itemp) (Based on Temperature rise)	1150mA
Max. of DC resistance	0.252Ω
DC resistance	0.210Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	30MHz
Brand	Murata
Series	LQH3NPN_MR

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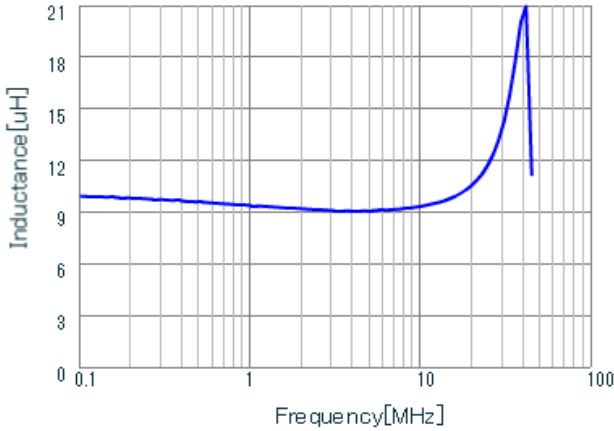
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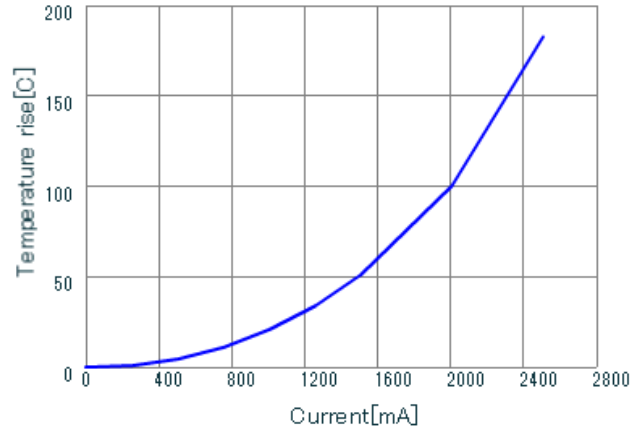
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## Characteristic Data



LQH3NPN100MMR L



LQH3NPN100MMR DT\_Current

Inductance - Frequency Characteristics

Temperature Increase Characteristic

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