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http://www.murata.com/en-sg/products/productdetail?partno=LQH3NPN6R8MJR%23

LQH3NPN6R8MJRL

"#"at the end indicates the package specification code.

Low DC Resistance Type, 1.2mm max. Thickness

In Production | RoHS | REACH | 125 °C max. | Wound (Ferrite) | Low Rdc | Reflow OK

< List of part numbers with package codes >

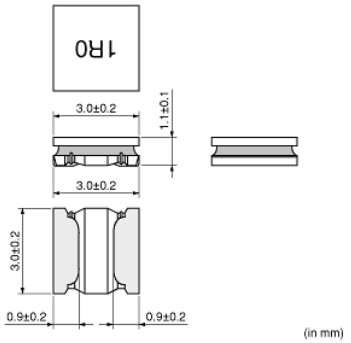
LQH3NPN6R8MJRK LQH3NPN6R8MJRL

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment 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.
Recommended Applications	Consumer equipment

Appearance & Shape





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2.This datasheet has only typical specifications because there is no space for detailed specifications.
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Notices

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

References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	8000
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.045g

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Specifications

L size	3.0±0.2mm
W size	3.0±0.2mm
T size	1.1±0.1mm
Size code inch (mm)	1212 (3030)
Inductance	6.8μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	970mA
Rated current (Itemp) (Based on Temperature rise)	1360mA(Ambient temp.85℃) 610mA(Ambient temp.105℃)
Max. of DC resistance	0.216Ω
DC resistance	0.18Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 105℃
Class of magnetic shield	Shielded（Magnetic Resin）
Self resonance frequency (min.)	35MHz
Brand	Murata
Series	LQH3NPN_JR

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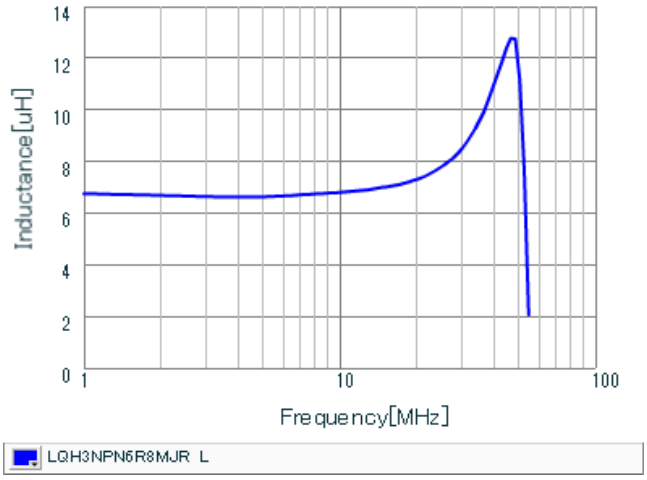
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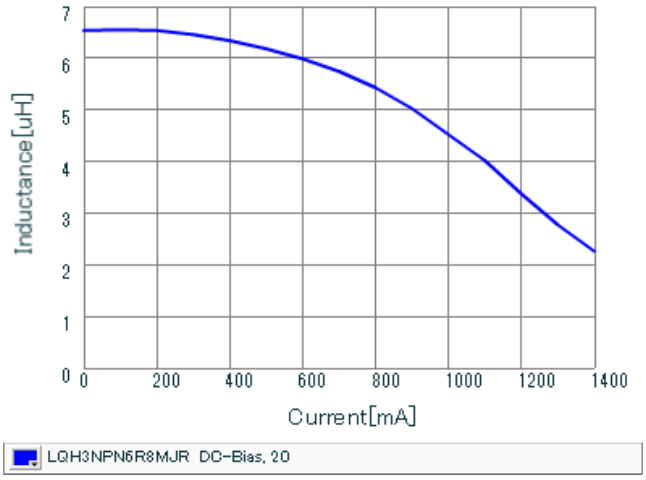
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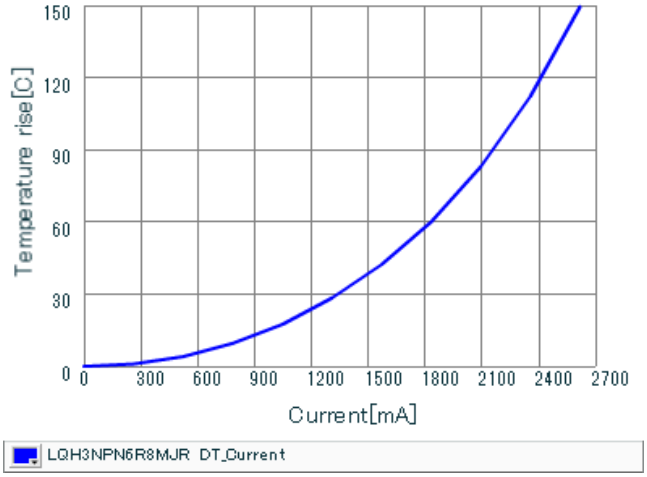
Characteristic Data



Inductance - Frequency Characteristics



Impedance - Current Characteristics



Temperature Increase Characteristic

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