

# LQH44PN6R8MPR#

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

Size Code 4040 (1515) in mm (in inch), 1.8mm max. Thickness. Low DC resistance design

In Production

RoHS

REACH

125  
°C max.

Wound  
(Ferrite)

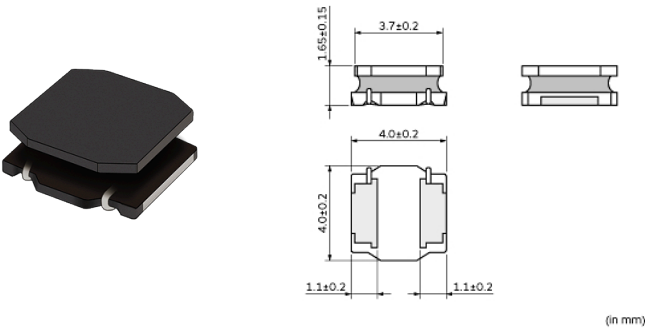
Reflow  
OK

< List of part numbers with package codes >  
LQH44PN6R8MPRK      LQH44PN6R8MPRL

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Medical equipment [GHTF 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, 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, 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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## References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	3500
L	180Embossed Tape	1000

Mass (typ.)	
1 piece	0.105g

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## Specifications

L size	4.0±0.2mm
W size	4.0±0.2mm
T size	1.65±0.15mm
Size code inch (mm)	1515 (4040)
Inductance	6.8μH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	1850mA
Rated current (Itemp) (Based on Temperature rise)	1500mA
Max. of DC resistance	0.12Ω
DC resistance	0.1Ω±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	LQH44PN_PR

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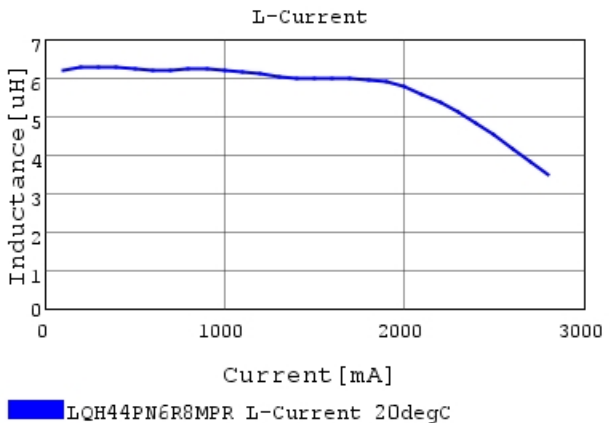
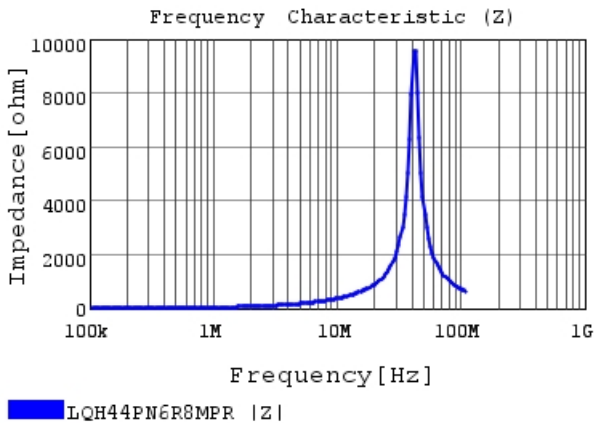
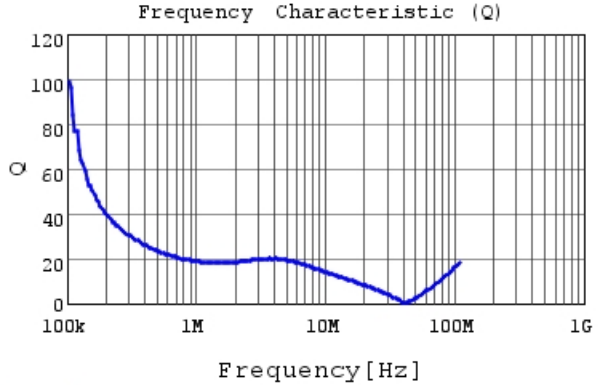
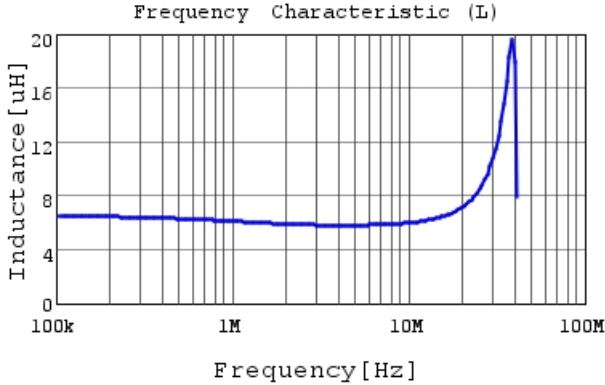
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## Characteristic Data

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

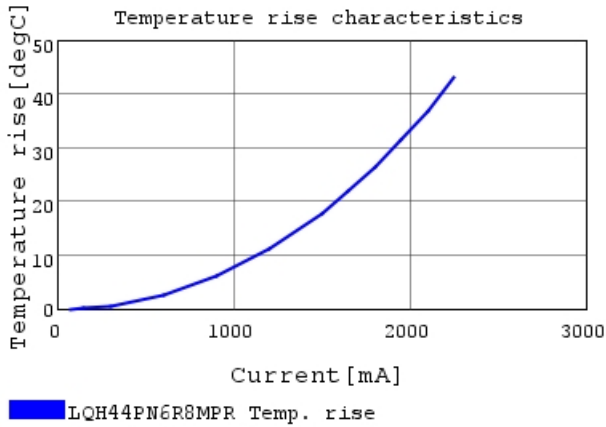


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