

# LQH2HNNH5R6J03#

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

It can be used in 125 °C environment.

In Production

AEC-Q200

RoHS

REACH

125 °C max.

Wound (Ferrite)

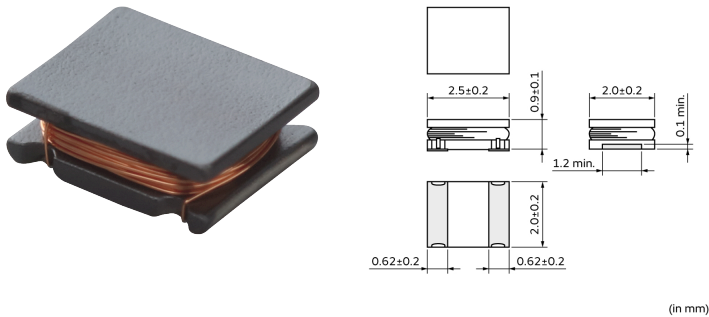
Reflow OK

< List of part numbers with package codes >  
LQH2HNNH5R6J03L

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial 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	Automotive powertrain/safety equipment

## Appearance & Shape



## Notices

Please consider 'Notice (Rating).'

**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
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.019g

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## Specifications

L size	2.5±0.2mm
W size	2.0±0.2mm
T size	0.9±0.1mm
Size code inch (mm)	1008 (2520)
Inductance	5.6μH±5%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	210mA(Ambient temp.85°C) 190mA(Ambient temp.125°C)
Max. of DC resistance	0.696Ω
DC resistance	0.58Ω±20%
Class of magnetic shield	Non-Shielded
Q(min.)	30
Q Test Frequency	1MHz
Self resonance frequency (min.)	60MHz
Brand	Murata
Operating Temperature Range	-40°C to 125°C
Series	LQH2HNNH_03

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## Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in the chart according to the operating temperature.

### Derating of Rated Current



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