

# LQH43NH180J03#

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

It can be used in 125 °C environment.



< List of part numbers with package codes >  
LQH43NH180J03K      LQH43NH180J03L

## Applications

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

## Notices

When rated current is applied to the products, self-temperature rise shall be limited to 20°C max and inductance will be within ±10% of nominal value.

## References

Packaging	Specifications	Standard Packing Quantity
K	330 Embossed Tape	2500
L	180 Embossed Tape	500

## Appearance & Shape



Mass (typ.)	
1 piece	0.13g

**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	4.5±0.3mm
W size	3.2±0.2mm
T size	2.6±0.2mm
Size code inch (mm)	1812 (4532)
Inductance	18μH±5%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	365mA
Max. of DC resistance	0.42Ω
DC resistance	0.35Ω±20%
Class of magnetic shield	Non-Shielded
Q(min.)	35
Q Test Frequency	1MHz
Self resonance frequency (min.)	17MHz
Brand	Murata
Operating Temperature Range	-40°C to 125°C
Series	LQH43NH_03

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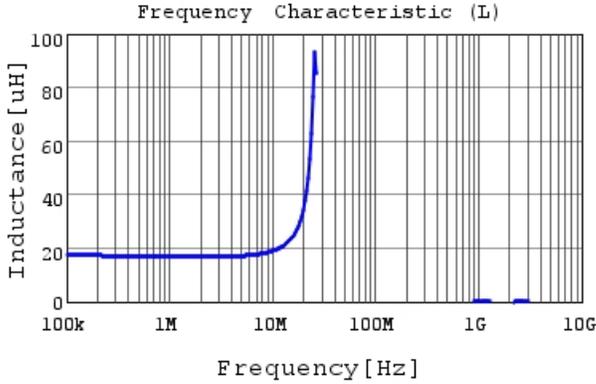
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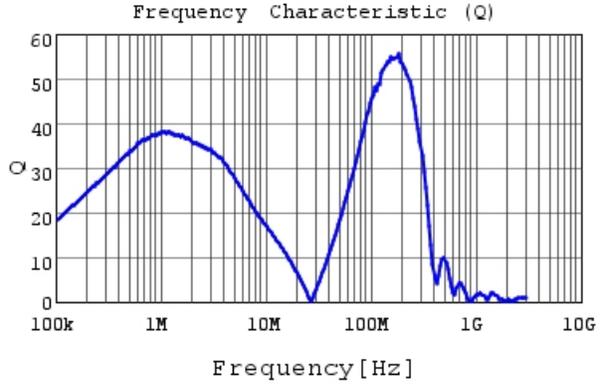


## Characteristic Data

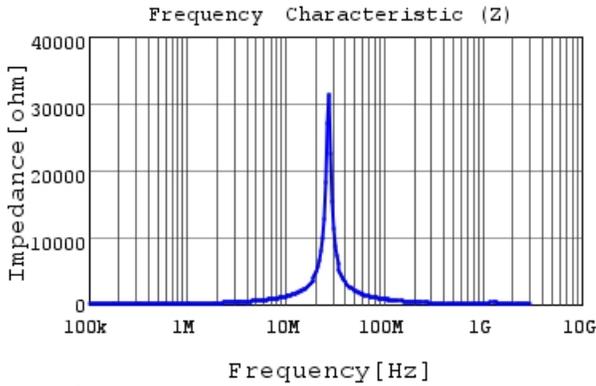
The charts below may show another part number which shares its characteristics.



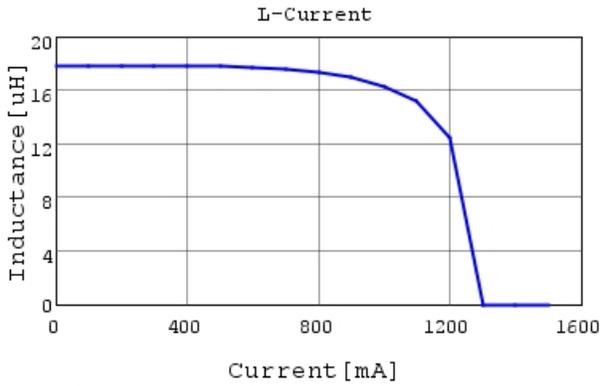
LQH43NH180J03 L



LQH43NH180J03 Q



LQH43NH180J03 |Z|



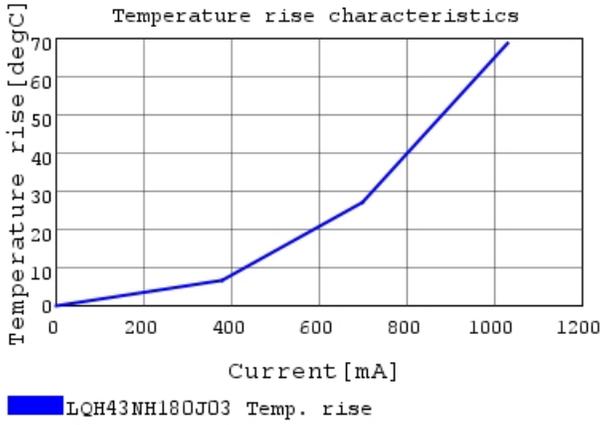
LQH43NH180J03 L-Current 20degC

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