

LQH43NH180J03#

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

It can be used in 125 °C environment.



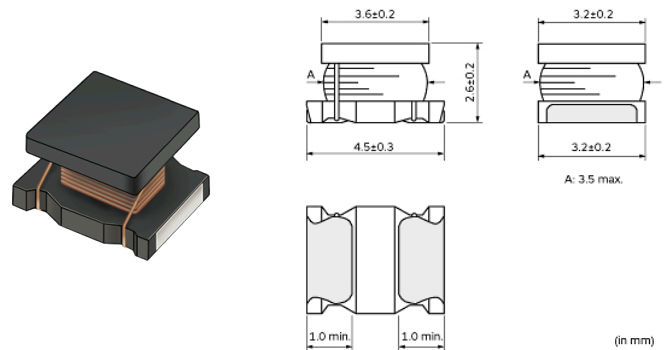
< List of part numbers with package codes >

LQH43NH180J03K LQH43NH180J03L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	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

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.

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.

LQH43NH180J03#

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



References

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

Mass (typ.)	
1 piece	0.13g

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.

LQH43NH180J03#

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



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

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.

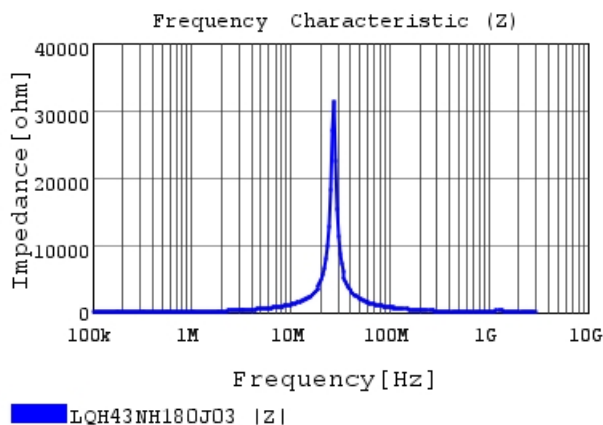
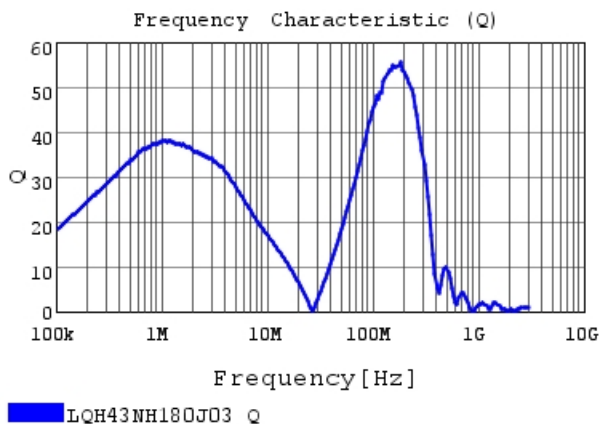
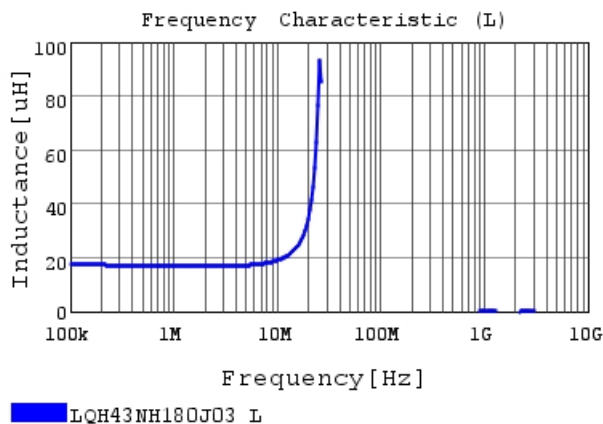
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

LQH43NH180J03#

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

Characteristic Data

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



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.