

Note: This datasheet may be out of date. Please download the latest datasheet of LQH43NH180J03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQH43NH180J03%23

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

It can be used in 125 °C environment.

LQH43NH180J03#



< List of part numbers with package codes > LQH43NH180J03K LQH43NH180J03L

# Applications

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

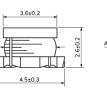


## Appearance & Shape

П

1.0 min.





1.0 min



3.2±0.2

(in mm)



### Notices

When rated current is applied to the products, selftemperature rise shall be limited to  $20^{\circ}$ C max and inductance will be within  $\pm 10\%$  of nominal value.

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### 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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# LQH43NH180J03#

180Embossed Tape

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L

# PackagingSpecificationsStandard<br/>Packing<br/>QuantityK330Embossed Tape2500

Mass (typ.)	
1 piece	0.13g

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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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