

LQP02HQ47NH02#

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

0402 (01005) in mm (in inch), Higher Q

In Production

RoHS

REACH

125 °C max.

Film

High Q

Reflow OK

< List of part numbers with package codes >

LQP02HQ47NH02B LQP02HQ47NH02E LQP02HQ47NH02L

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 & surgery & auto injector, Industrial equipment except for transportation & facility & 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



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.

LQP02HQ47NH02#

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



References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
E	180mm Paper Tape (W8P2)	15000
L	180Embossed Tape	30000

Mass (typ.)	
1 piece	0.085mg

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.

LQP02HQ47NH02#

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



Specifications

L size	0.4±0.02mm
W size	0.2±0.02mm
T size	0.3±0.02mm
Size code inch (mm)	01005 (0402)
Inductance	47nH±3%
Inductance Test Frequency	300MHz
Rated current (Itemp) (Based on Temperature rise)	100mA
Max. of DC resistance	4Ω
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Class of magnetic shield	Non-Shielded
Q(min.)	8
Q Test Frequency	300MHz
Self resonance frequency (min.)	2.1GHz
Brand	Murata
Series	LQP02HQ_02

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.

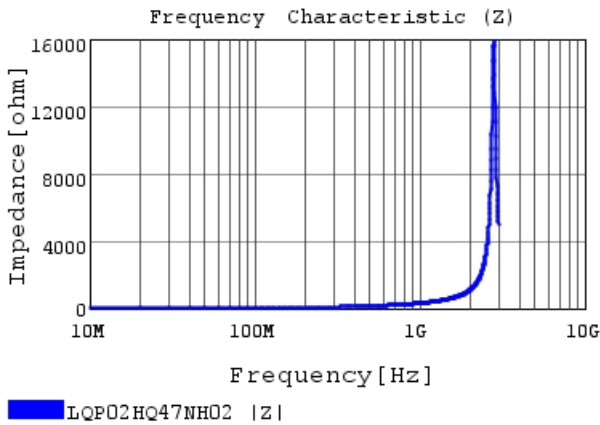
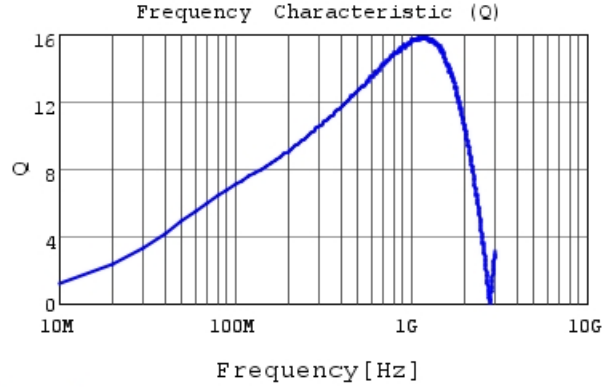
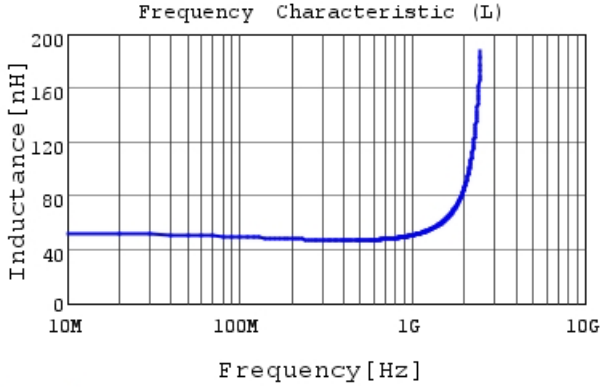
LQP02HQ47NH02#

“#” 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.