

# LQW15AN16NG8Z#

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

0402(inch)/1005(mm) size, wound inductor.



< List of part numbers with package codes >

LQW15AN16NG8ZB      LQW15AN16NG8ZD

## Applications

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

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	10000

Mass (typ.)	
1 piece	0.0009g

### 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.

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## Specifications

L size	1.0±0.1mm
W size	0.6±0.1mm
T size	0.5±0.1mm
Size code inch (mm)	0402 (1005)
Inductance	16nH±2%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1000mA
Max. of DC resistance	0.126Ω
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Class of magnetic shield	Non-Shielded
Q(min.)	31
Q Test Frequency	250MHz
Self resonance frequency (min.)	5GHz
Brand	Murata
Series	LQW15AN_8Z

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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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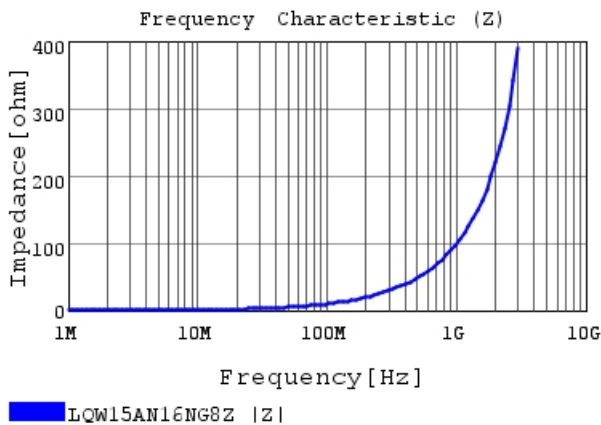
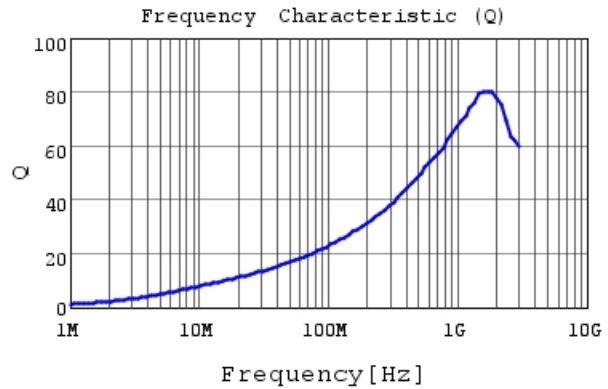
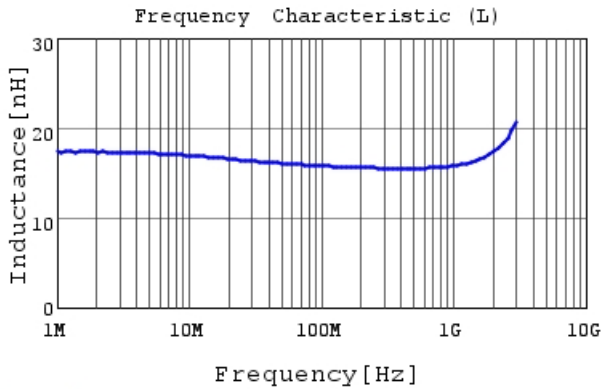
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## Characteristic Data

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



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