

Note: This datasheet may be out of date.

Please download the latest datasheet of LQW15AN16NG8Z# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQW15AN16NG8Z%23

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

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





















### < List of part numbers with package codes > LQW15AN16NG8ZB LQW15AN16NG8ZD



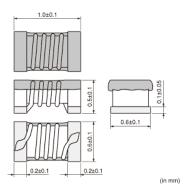
### **Applications**

Unsuitable	Please be sure to read and comply with
Applications	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	Automotive infotainment/comfort
Applications	equipment



## Appearance & Shape







### References

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

Mass (typ.)		
1 piece	0.0009g	

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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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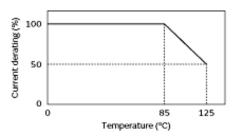


## Notice For General

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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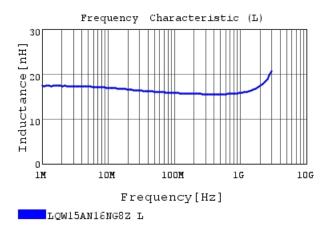
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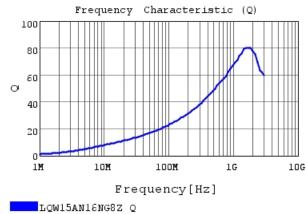
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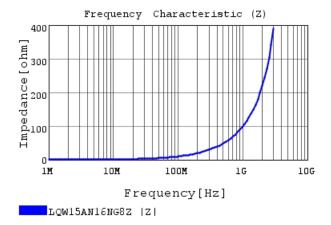


### Characteristic Data

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







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