

LQW15AW56NJ80#

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

Size Code 1005 (0402) in mm (in inch), Wound Type



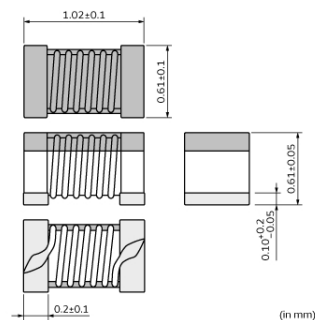
< List of part numbers with package codes >

LQW15AW56NJ80B LQW15AW56NJ80D

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



References

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

Mass (typ.)	
1 piece	0.0012g

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	1.02±0.1mm
W size	0.61±0.1mm
T size	0.61±0.05mm
Size code inch (mm)	0402 (1005)
Inductance	56nH±5%
Inductance Test Frequency	250MHz
Rated current (Itemp) (Based on Temperature rise)	480mA
Max. of DC resistance	0.52Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 140°C
Class of magnetic shield	Non-Shielded
Q(min.)	33
Q Test Frequency	250MHz
Self resonance frequency (min.)	2.1GHz
Brand	Murata
Series	LQW15AW_80

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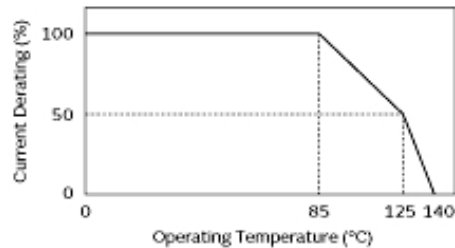
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Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for the LQW15AW_80 series. Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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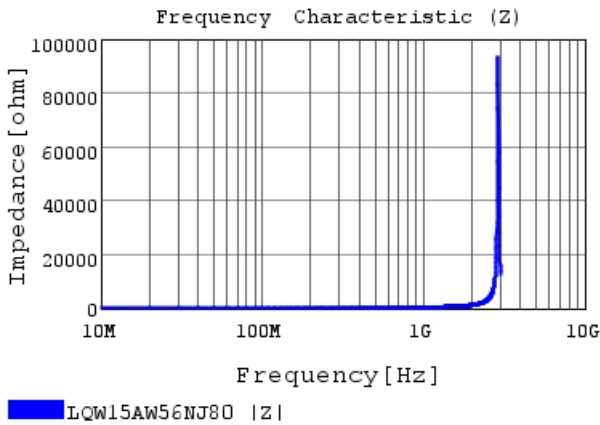
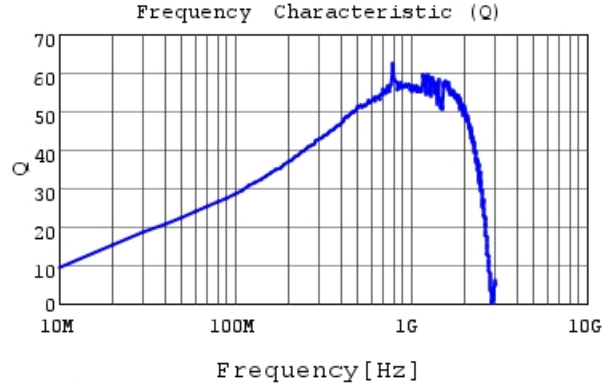
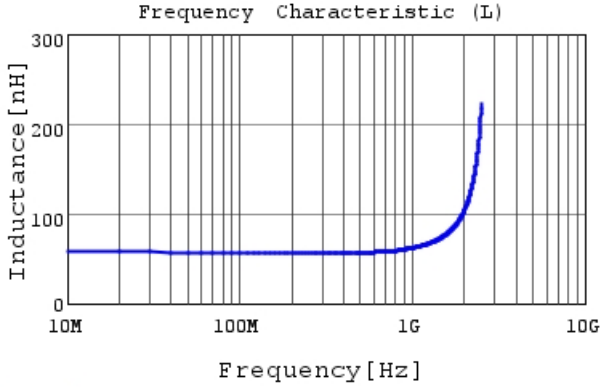
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Characteristic Data

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



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