

LQW15AN2N5B8ZD

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

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

In Production

AEC-Q200

RoHS

REACH

125 °C max.

Wound (Non mag)

Low Rdc

High Q

Tight Tolerance

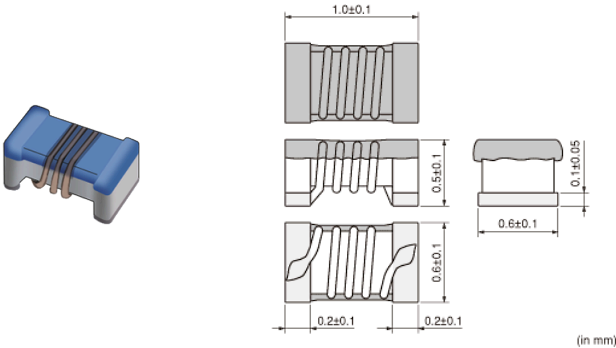
Reflow OK

< List of part numbers with package codes >
LQW15AN2N5B8ZB LQW15AN2N5B8ZD

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>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</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	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
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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	2.5nH±0.1nH
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	2100mA
Max. of DC resistance	0.03Ω
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Class of magnetic shield	Non-Shielded
Q(min.)	30
Q Test Frequency	250MHz
Self resonance frequency (min.)	15.5GHz
Brand	Murata
Series	LQW15AN_8Z

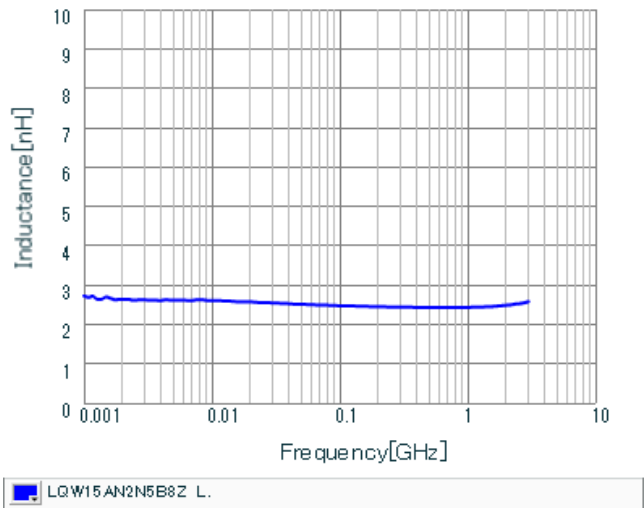
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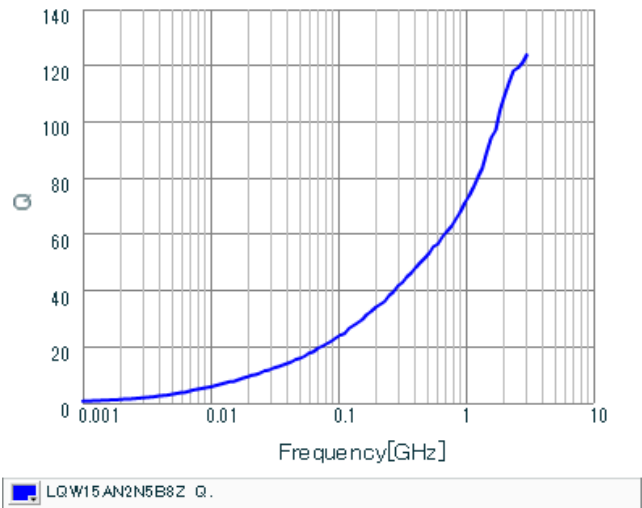
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Characteristic Data



Inductance - Frequency Characteristics



Q-Frequency Characteristics

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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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