muRata
INNOVATOR IN ELECTRONICS

LQW15AN12NG0ZD

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

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

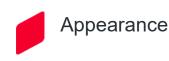| In Production | AEC-Q200 | RoHS | REACH | 125℃ max. | Wound (Non mag) | Tight Tolerance | Reflow OK |

< List of part numbers with package codes >

LQW15AN12NG0ZB   LQW15AN12NG0ZD

Applications

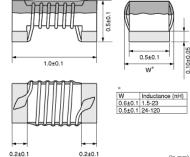| Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Automotive infotainment/comfort equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation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

W	Inductance (nH)
0.6±0.1	1.5-23
0.5±0.1	24-120

(in mm)

References

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

Mass (typ.)	
1 piece	0.0008g

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Last updated05/15/2024

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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	12nH±2%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	500mA
Max. of DC resistance	0.14Ω
Operating Temperature Range(Self-temperature rise is not included)	-55℃ to 125℃
Class of magnetic shield	Non-Shielded
Q(min.)	30
Q Test Frequency	250MHz
Self resonance frequency (min.)	5.5GHz
Brand	Murata
Series	LQW15AN_0Z

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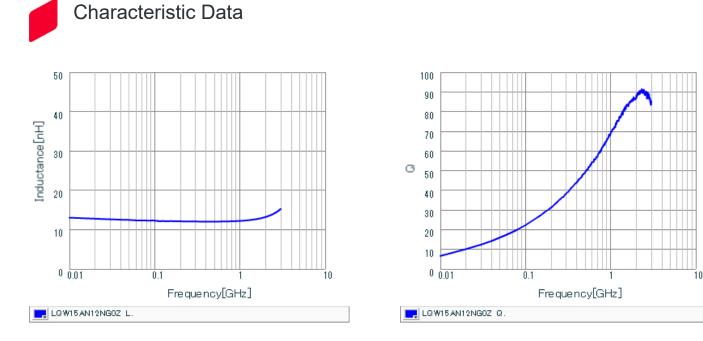
Note: This datasheet may be out of date.

Please download the latest datasheet of LQW15AN12NG0Z# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQW15AN12NG0Z%23

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Characteristic Data

Inductance - Frequency Characteristics

Q-Frequency Characteristics