

LQG15WHR12H02D

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

Size Code 1005 (0402) in mm (in inch),Multilayer Type,High Q, Automotive available (Powertrain/Safety)

In Production

AEC-Q200

RoHS

REACH

125 °C max.

Multi-layer

High Q

Reflow OK

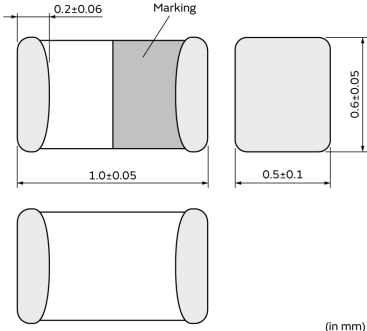
< List of part numbers with package codes >

LQG15WHR12H02B LQG15WHR12H02D LQG15WHR12H02J

Applications

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

Appearance & Shape



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.
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
D	180mm Paper Tape	10000
J	330mm Paper Tape	40000

Mass (typ.)	
1 piece	0.001g

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Specifications

L size	1.0±0.05mm
W size	0.6±0.05mm
T size	0.5±0.1mm
Size code inch (mm)	0402 (1005)
Inductance	120nH±3%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	140mA
Max. of DC resistance	2.7Ω
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Class of magnetic shield	Non-Shielded
Q(min.)	22
Q Test Frequency	250MHz
Self resonance frequency (min.)	800MHz
Brand	Murata
Series	LQG15WH_02

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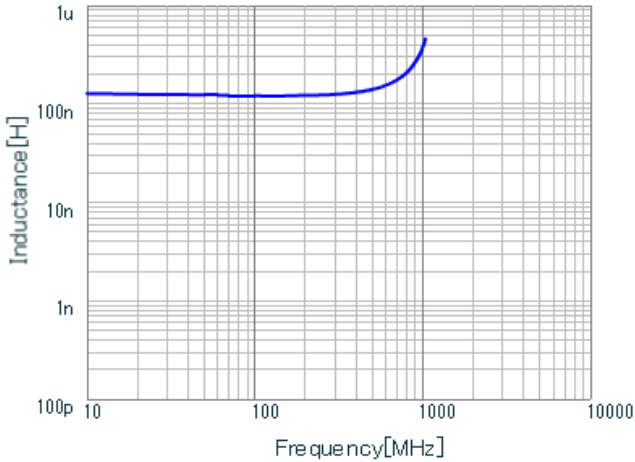
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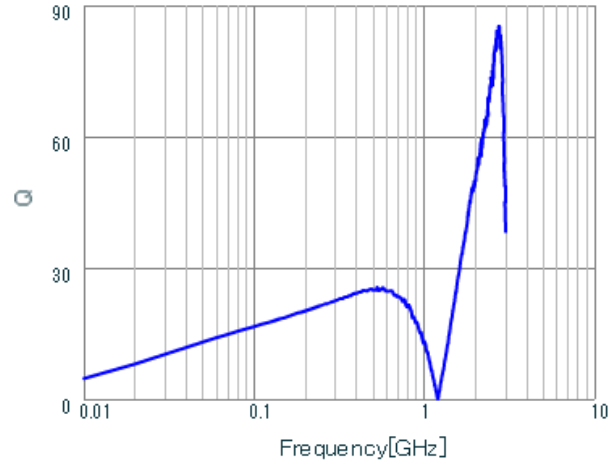


Characteristic Data



LQG15WHR12H02 L.

Inductance - Frequency Characteristics



LQG15WHR12H02 Q.

Q-Frequency Characteristics

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