

Please download the latest datasheet of LQH44PZ3R3NGR# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQH44PZ3R3NGR%23

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

Size Code 4040 (1515) in mm (in inch), 1.0mm max. Thickness。 Low DC resistance design



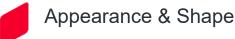
< List of part numbers with package codes > LQH44PZ3R3NGRK LQH44PZ3R3NGRL

LQH44PZ3R3NGR#

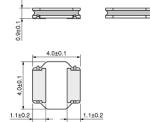


Applications

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	







(in mm)

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Attention

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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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Notices

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C. When rated current is applied to the products, the self-temperature rise shall be limited to 40°C max (ambient temperature 85°C). When rated current is applied to the products, the selftemperature rise shall be limited to 20°C max (ambient temperature 85 °C to 105°C).

References

Packaging	Specifications	Standard Packing Quantity
к	330Embossed Tape	4500
L	180Embossed Tape	1000

Mass (typ.)	
1 piece	0.059g

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Specifications

L size	4.0±0.1mm
W size	4.0±0.1mm
T size	0.9±0.1mm
Size code inch (mm)	1515 (4040)
Inductance	3.3µH±30%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1500mA
Rated current (Itemp) (Based on Temperature rise)	1700mA(Ambient temp.85°C) 1000mA(Ambient temp. 105°C)
Max. of DC resistance	0.132Ω
DC resistance	0.11Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	25MHz
Brand	Murata
Series	LQH44PZ_GR

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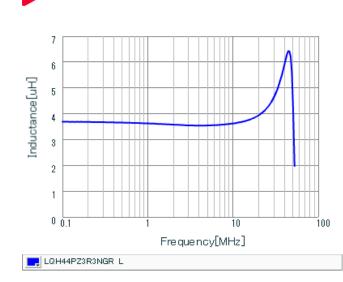
Product Search Data Sheet

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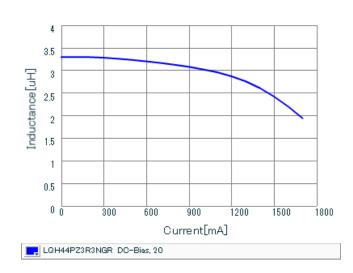
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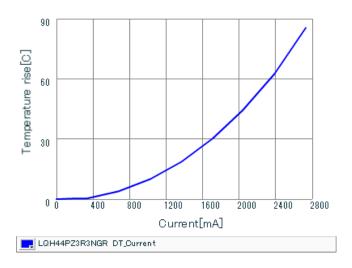


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Characteristic Data



Inductance - Frequency Characteristics



Temperature Increase Characteristic

Impedance - Current Characteristics

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