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Please download the latest datasheet of LQH2MPNR47NGR# from the official website of Murata

ww.murata.com/en/products/productdetail?partno=LQH2MPNR47NGR%23

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

0806(inch) / 2016(mm) size, 0.95 mm max height, low DC resistance inductor.

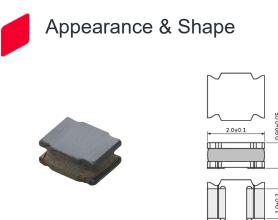


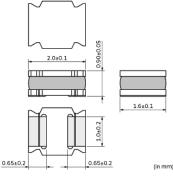
LQH2MPNR47NGR#

< List of part numbers with package codes > LQH2MPNR47NGRL

Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer to Our Website and	
Applications	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	Canaumar aquinment	
Applications	Consumer equipment	







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).

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Attention

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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
L	180Embossed Tape	3000

Mass (typ.)	
1 piece	0.01g

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Specifications

L size	2.0±0.1mm
W size	1.6±0.1mm
T size	0.9±0.05mm
Size code inch (mm)	0806 (2016)
Inductance	0.47µH±30%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1950mA
Rated current (Itemp)	1060mA(Ambient temp.85°C)
(Based on Temperature rise)	630mA(Ambient temp.105°C)
Max. of DC resistance	0.216Ω
DC resistance	0.18Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 105℃
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	120MHz
Brand	Murata
Series	LQH2MPN_GR

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Product Search Data Sheet

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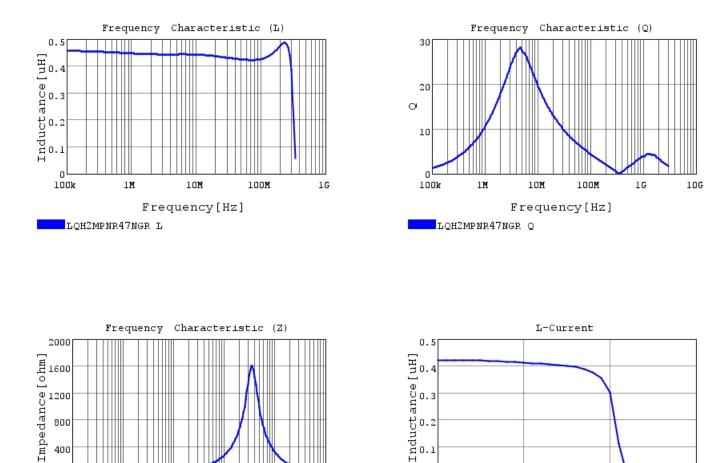
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Characteristic Data

LQH2MPNR47NGR#

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



0

0

1000

LQH2MPNR47NGR L-Current 20degC

Current[mA]

2000

Attention

800

400 n

100k

1M

LQH2MPNR47NGR |Z|

10M

Frequency[Hz]

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10G

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100M

1G

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3000



Product Search Data Sheet

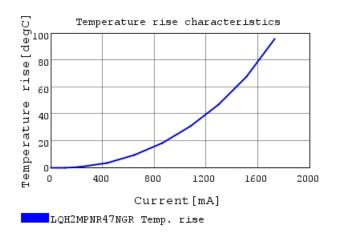
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