

LQH2HPNR47MDR#

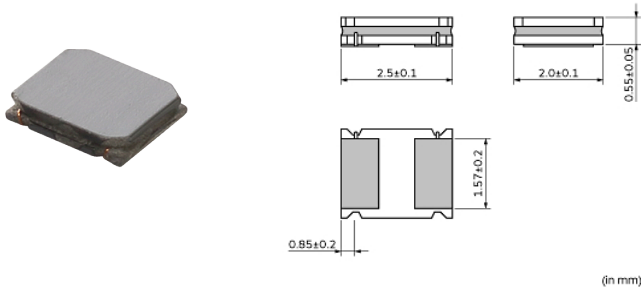
“#” indicates a package specification code.

Size Code 2520 (1008) in mm (in inch), 0.6mm max. Thickness. Low DC resistance design



< List of part numbers with package codes >
LQH2HPNR47MDRL

Appearance & Shape



Notices

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

References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	4000

Mass (typ.)	
1 piece	0.01g

Attention
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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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Specifications

L size	2.5±0.1mm
W size	2.0±0.1mm
T size	0.55±0.05mm
Size code inch (mm)	1008 (2520)
Inductance	0.47μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1670mA
Rated current (Itemp) (Based on Temperature rise)	1250mA(Ambient temp.85°C) 750mA(Ambient temp.105°C)
Max. of DC resistance	0.168Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	120MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.14Ω±20%
Series	LQH2HPN_DR

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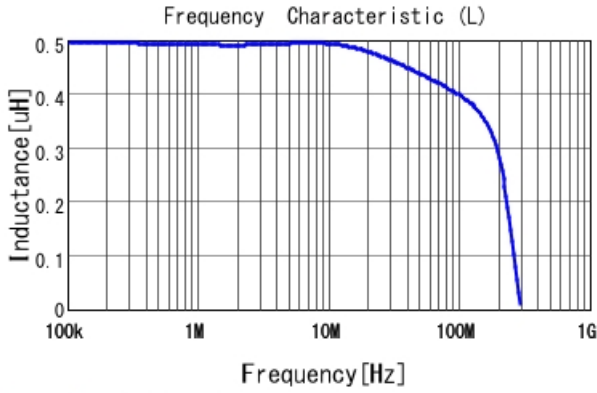
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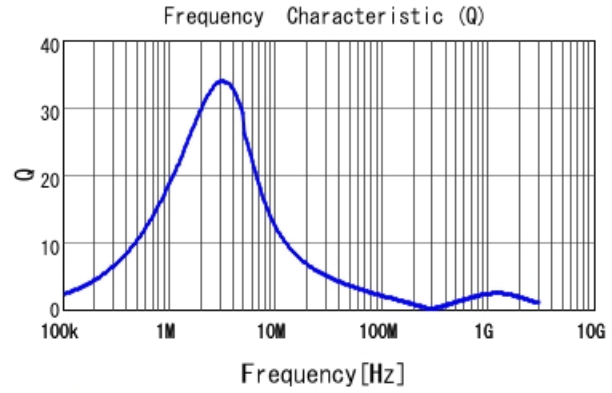


Characteristic Data

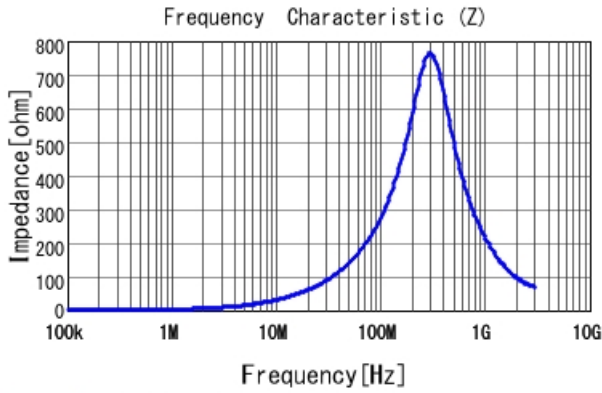
The charts below may show another part number which shares its characteristics.



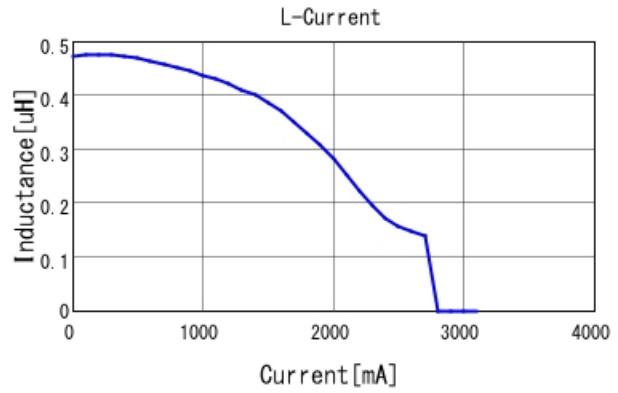
LQH2HPNR47MDR L



LQH2HPNR47MDR Q



LQH2HPNR47MDR |Z|



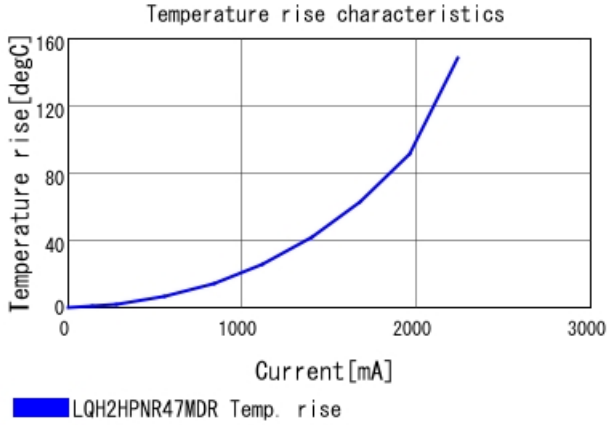
LQH2HPNR47MDR L-Current 20degC

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