

LQH2HPN2R2MGR#

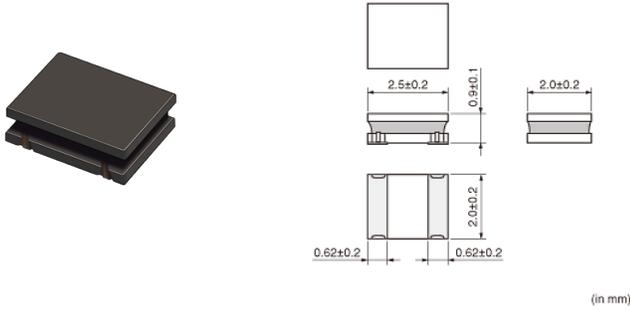
“#” indicates a package specification code.

Size Code 2520 (1008) in mm (in inch), 1.0mm max. Thickness. Low DC resistance design



< List of part numbers with package codes >
LQH2HPN2R2MGRL

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
L	180 Embossed Tape	3000

Mass (typ.)	
1 piece	0.019g

Notices

When rated current is applied to the products, inductance will be within $\pm 30\%$ 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 temperature rise caused by self-generated heat shall be limited to 40°C (at the rated current under 85°C) or 20°C (at the rated current under 105°C).

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±0.2mm
W size	2.0±0.2mm
T size	0.9±0.1mm
Size code inch (mm)	1008 (2520)
Inductance	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1550mA
Rated current (Itemp) (Based on Temperature rise)	1470mA(Ambient temp.85°C) 850mA(Ambient temp.105°C)
Max. of DC resistance	0.1608Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	80MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Brand	Murata
DC Resistance Intermediate Values	0.134Ω±20%
Series	LQH2HPN_GR

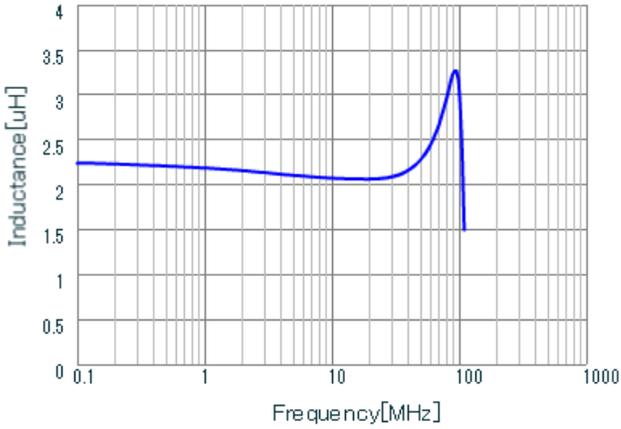
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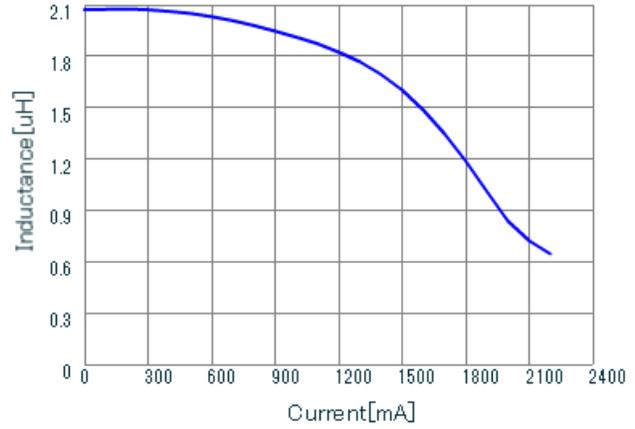
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Characteristic Data



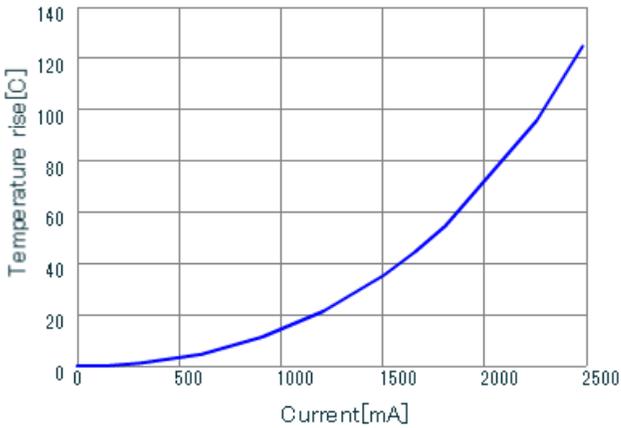
LQH2HPN2R2MGR L



LQH2HPN2R2MGR DC-Bias, 20

Inductance - Frequency Characteristics

Impedance - Current Characteristics



LQH2HPN2R2MGR DT_Current

Temperature Increase Characteristic

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