

# LQH2HPZ100MDR#

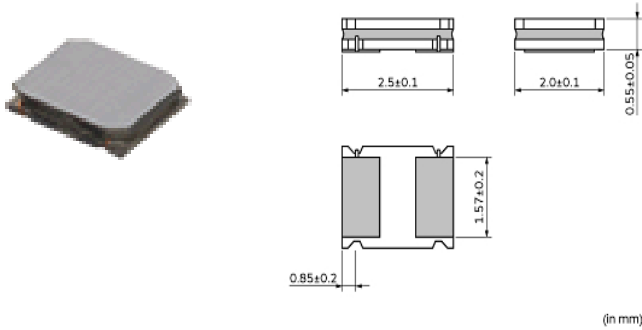
“#” indicates a package specification code.

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



< List of part numbers with package codes >  
LQH2HPZ100MDRL

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	4000

Mass (typ.)	
1 piece	0.01g

## 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  $125^{\circ}\text{C}$ . When rated current is applied to the products, the self-temperature rise shall be limited to  $40^{\circ}\text{C}$  max. (ambient temperature  $85^{\circ}\text{C}$ ). When rated current is applied to the products, the self-temperature rise shall be limited to  $20^{\circ}\text{C}$  max. (ambient temperature  $85^{\circ}\text{C}$  to  $105^{\circ}\text{C}$ ).

**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±0.1mm
W size	2.0±0.1mm
T size	0.55±0.05mm
Size code inch (mm)	1008 (2520)
Inductance	10μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	420mA
Rated current (Itemp) (Based on Temperature rise)	430mA(Ambient temp.85°C) 260mA(Ambient temp.105°C)
Max. of DC resistance	1.44Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	30MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
DC Resistance Intermediate Values	1.2Ω±20%
Series	LQH2HPZ_DR

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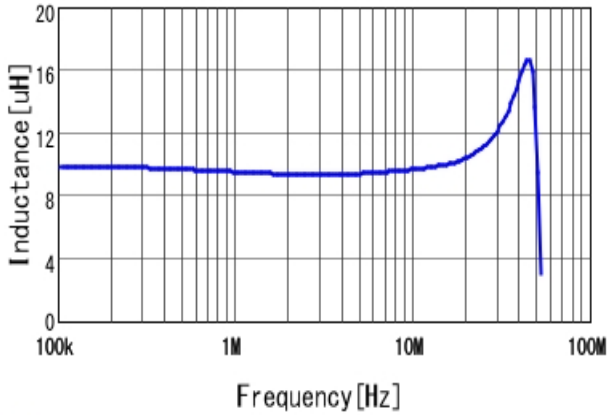
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## Characteristic Data

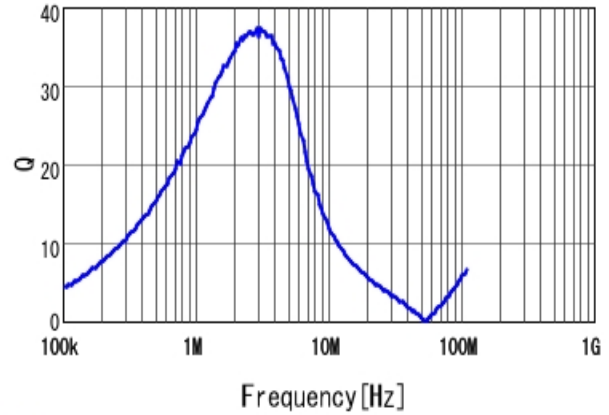
The charts below may show another part number which shares its characteristics.

Frequency Characteristic (L)



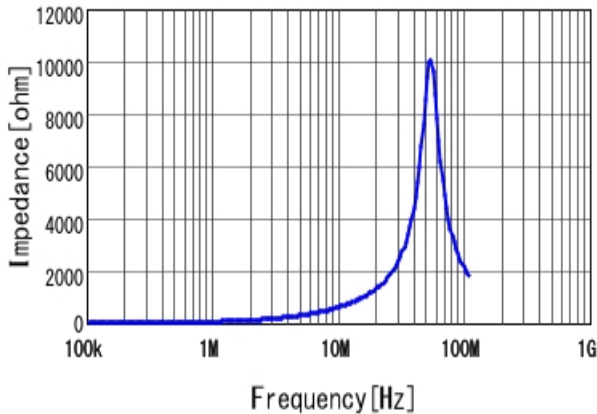
■ LQH2HPZ100MDR L

Frequency Characteristic (Q)



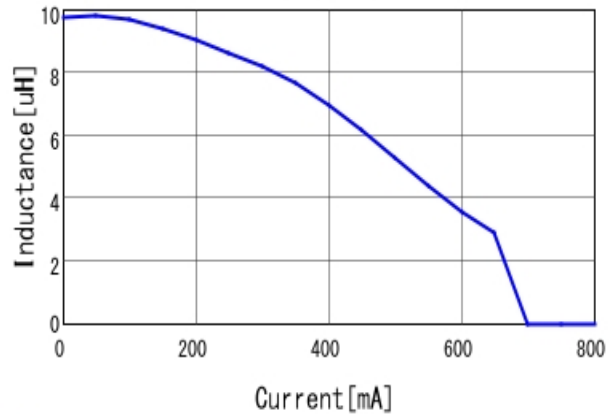
■ LQH2HPZ100MDR Q

Frequency Characteristic (Z)



■ LQH2HPZ100MDR |Z|

L-Current



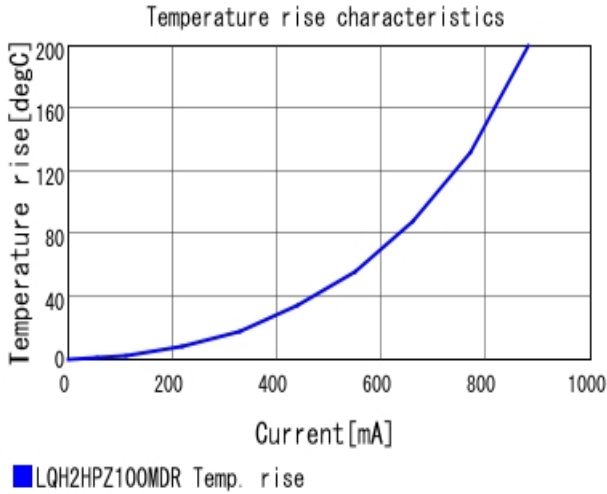
■ LQH2HPZ100MDR L-Current 20degC

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