

LQM18PZ2R2MDH#

"#" indicates a package specification code.

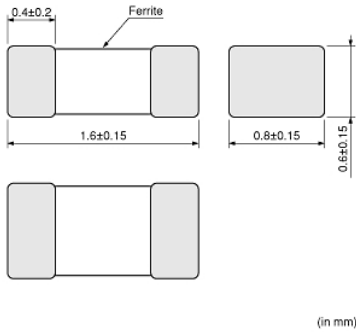
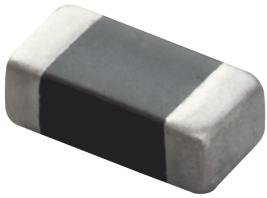
High Spec Type (Low DC Resistance / Good Bias Current Characteristics Type)



< List of part numbers with package codes >

LQM18PZ2R2MDHB LQM18PZ2R2MDHD

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000

Mass (typ.)	
1 piece	0.004g

Notices

Please consider 'Notice (Rating).' 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, the temperature rise caused by self-generated heat shall be limited to 40°C max.

Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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	1.6±0.15mm
W size	0.8±0.15mm
T size	0.6±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	250mA
Rated current (Itemp) (Based on Temperature rise)	650mA(Ambient temp.85°C) 450mA(Ambient temp.125°C)
Max. of DC resistance	0.47Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	80MHz
Brand	Murata
Operating Temperature Range	-55°C to 125°C
Series	LQM18PZ_DH

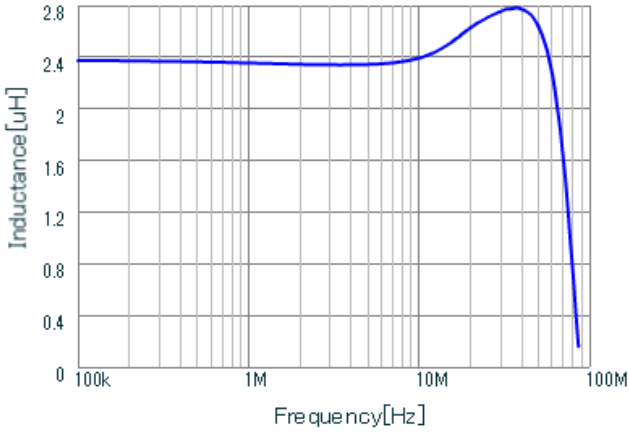
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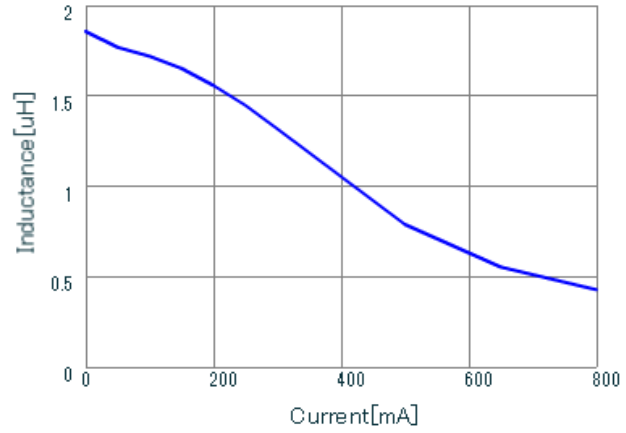
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Characteristic Data

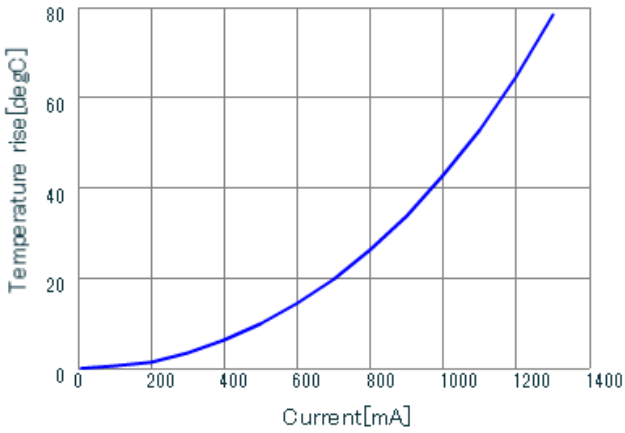


LQM18PZ2R2MDH L



LQM18PZ2R2MDH DC-Bias, 20

Inductance - Frequency Characteristics



LQM18PZ2R2MDH DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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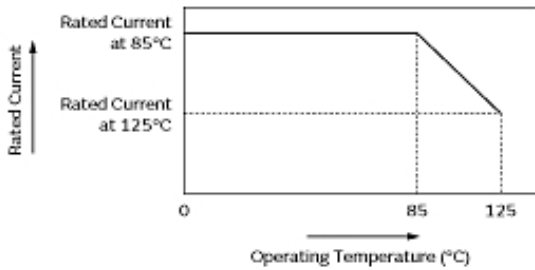


Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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