

LQM18PHR47MFR#

“#” indicates a package specification code.

Low DC Resistance Type

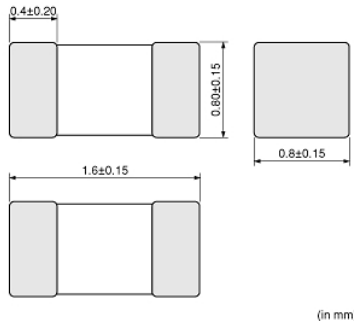


< List of part numbers with package codes >

LQM18PHR47MFRB

LQM18PHR47MFRL

Appearance & Shape



References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
L	180Embossed Tape	4000

Mass (typ.)	
1 piece	0.005g

Notices

Please consider 'Notice (Rating).' When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of initial inductance value range.
When applied Rated current to the Products, 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.

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Specifications

L size	1.6±0.15mm
W size	0.8±0.15mm
T size	0.8±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	0.47μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1200mA
Rated current (Itemp) (Based on Temperature rise)	1100mA(Ambient temp.85°C) 730mA(Ambient temp.125°C) 10mA(Ambient temp.150°C)
Max. of DC resistance	0.188Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	100MHz
DC Resistance Intermediate Values	0.15Ω
Operating Temperature Range	-55°C to 150°C
Series	LQM18PH_FR

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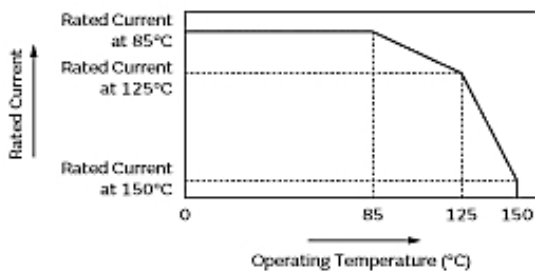
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Notice For General

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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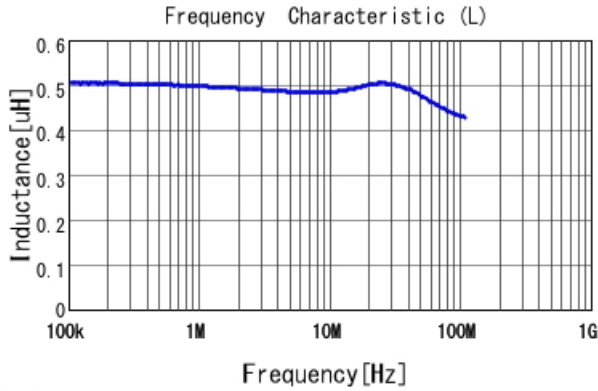
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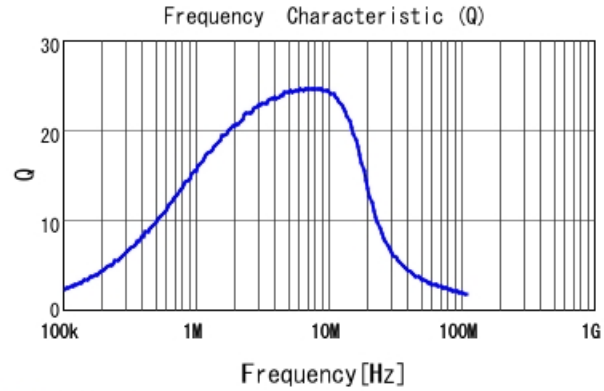


Characteristic Data

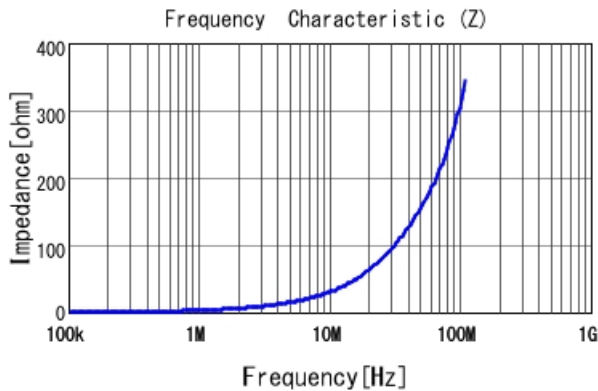
The charts below may show another part number which shares its characteristics.



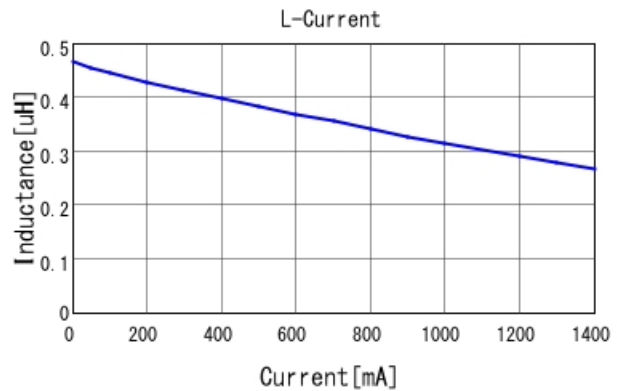
■ LQM18PHR47MFR L



■ LQM18PHR47MFR Q



■ LQM18PHR47MFR |Z|



■ LQM18PHR47MFR L-Current 20degC

Attention

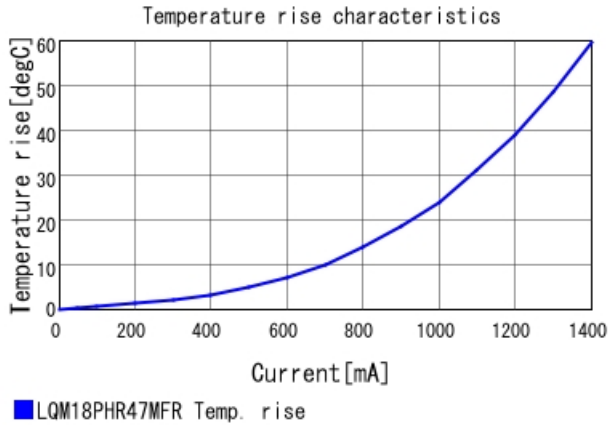
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