

# LQM18PH2R2MFR#

“#” indicates a package specification code.

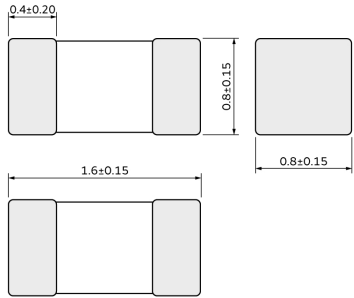
## Low DC Resistance Type



### < List of part numbers with package codes >

LQM18PH2R2MFRB      LQM18PH2R2MFRL

## Appearance & Shape



(in mm)

## 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

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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	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	150mA
Rated current (Itemp) (Based on Temperature rise)	750mA(Ambient temp.85°C) 500mA(Ambient temp.125°C) 10mA(Ambient temp.150°C)
Max. of DC resistance	0.375Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	70MHz
Brand	Murata
DC Resistance Intermediate Values	0.3Ω
Operating Temperature Range	-55°C to 150°C
Series	LQM18PH_FR

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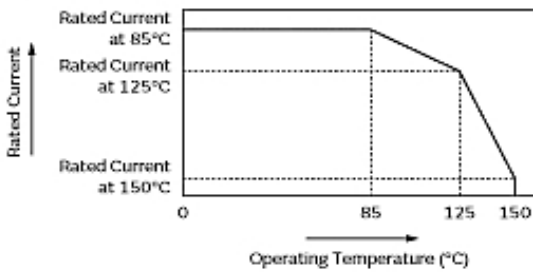
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## Notice For General

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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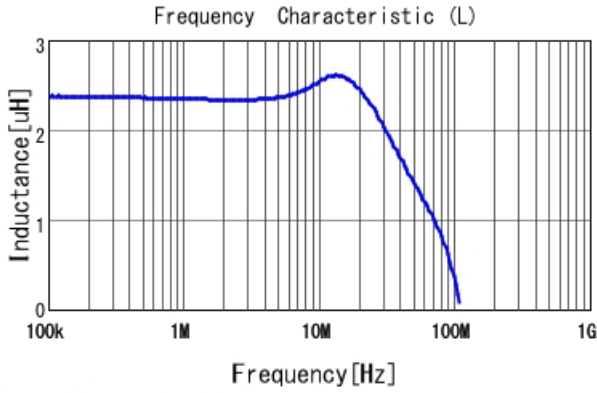
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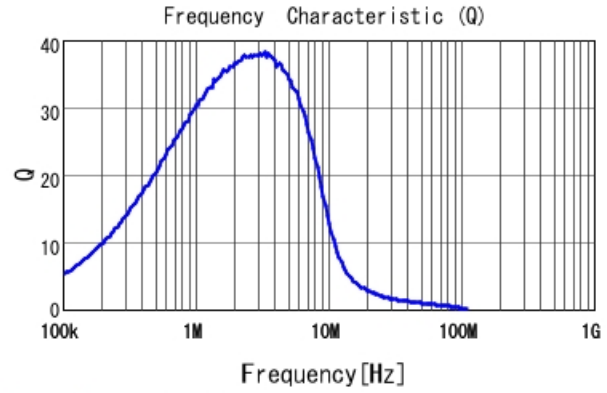


## Characteristic Data

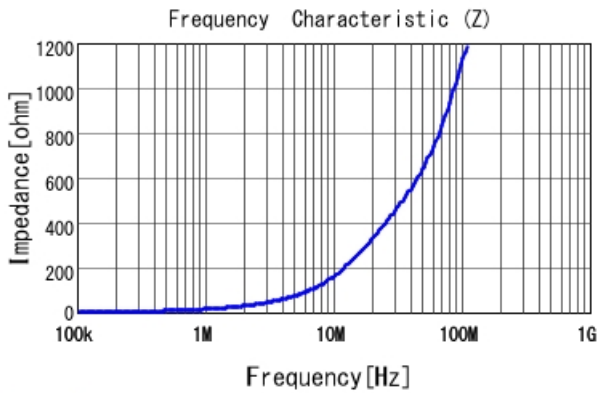
The charts below may show another part number which shares its characteristics.



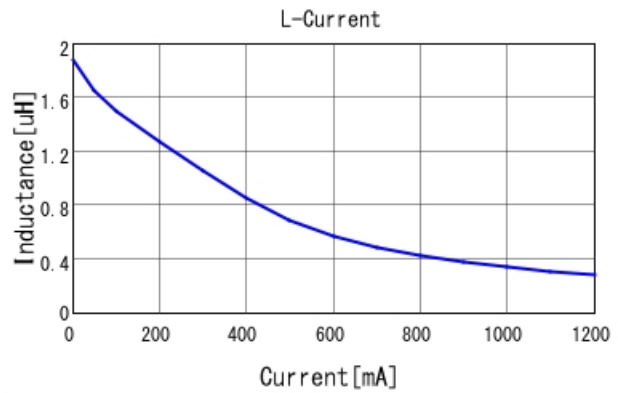
LQM18PH2R2MFR L



LQM18PH2R2MFR Q



LQM18PH2R2MFR |Z|



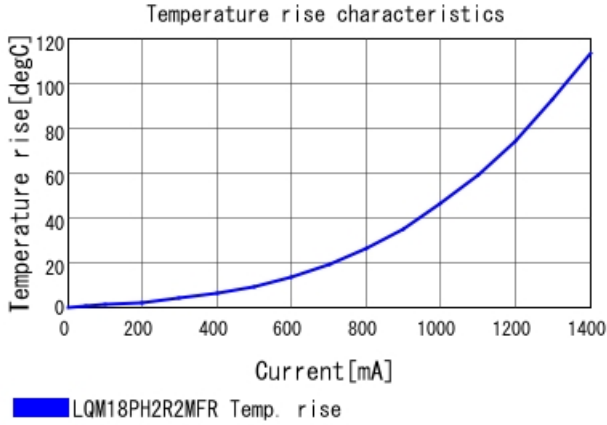
LQM18PH2R2MFR L-Current 20degC

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