

# LQM18PH1R0MFR#

"#" indicates a package specification code.

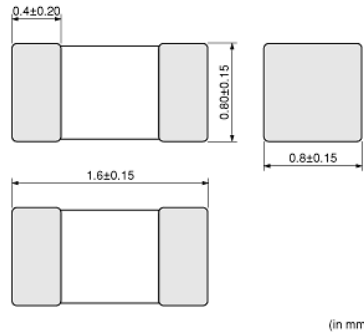
## Low DC Resistance Type



< List of part numbers with package codes >

LQM18PH1R0MFRL LQM18PH1R0MFRB

## Appearance & Shape



## References

Packaging	Specifications	Minimum Order Quantity
L	180Embossed Tape	4000
B	Bulk(Bag)	1000

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.  
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	0.8±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	1μH±20%
Inductance Test Frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	360mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	950mA(Ambient temp.85°C)630mA(Ambient temp.125°C)10mA(Ambient temp.150°C)
Max. of DC resistance	0.25Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	100MHz
DC Resistance Intermediate Values	0.2Ω
Operating Temperature Range	-55°C to 150°C
Series	LQM18PH_FR

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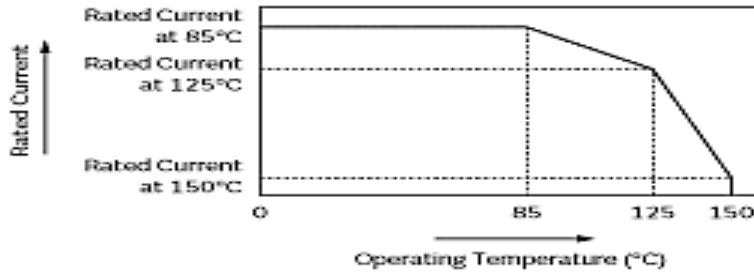
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## Notice For General

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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