

LQM18DH6R8M70#

“#” at the end indicates the package specification code.

Bias Current Characteristics Improved



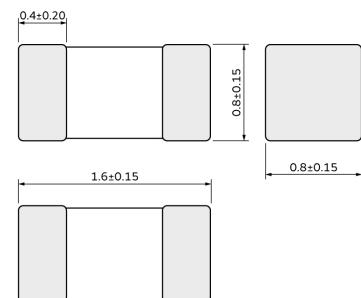
< List of part numbers with package codes >

LQM18DH6R8M70B LQM18DH6R8M70L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial Equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.
Recommended Applications	Automotive powertrain/safety equipment

Appearance & Shape



(in mm)

References

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

Mass (typ.)	
1 piece	0.005g

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	6.8μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	120mA
Rated current (Itemp) (Based on Temperature rise)	330mA(Ambient temp.125°C) 10mA(Ambient temp.150°C)
Max. of DC resistance	0.96Ω
DC resistance	0.74±0.22Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	40MHz
Brand	Murata
Operating Temperature Range	-55°C to 150°C
Series	LQM18DH_70

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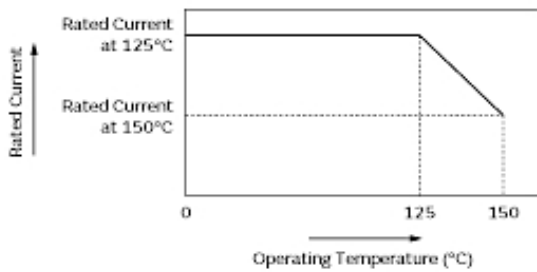


Notice For General

In operating temperatures exceeding +125°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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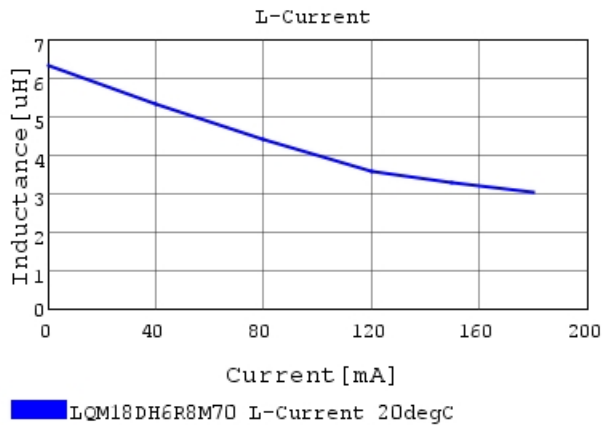
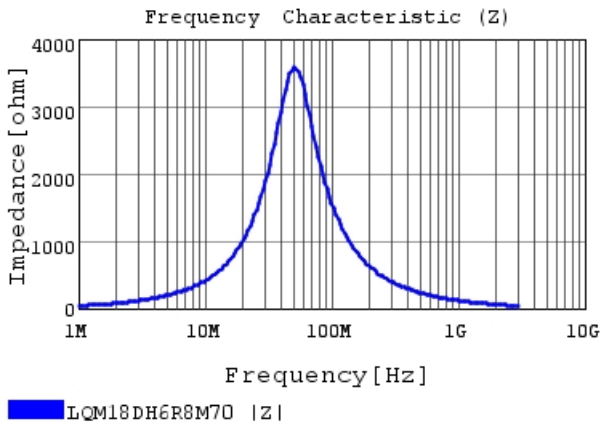
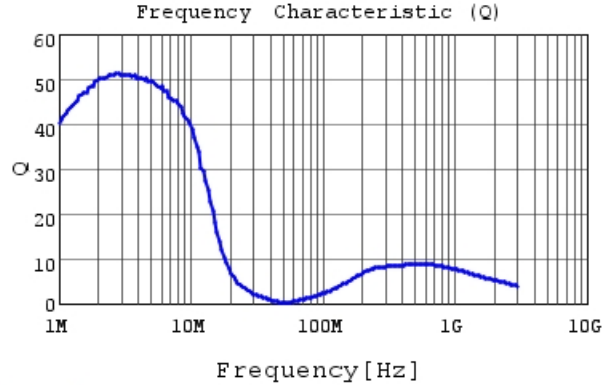
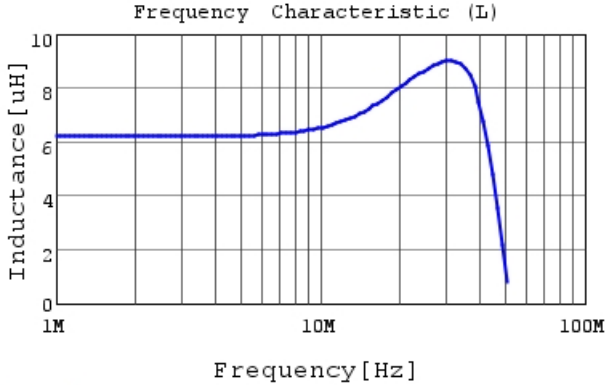
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Characteristic Data

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



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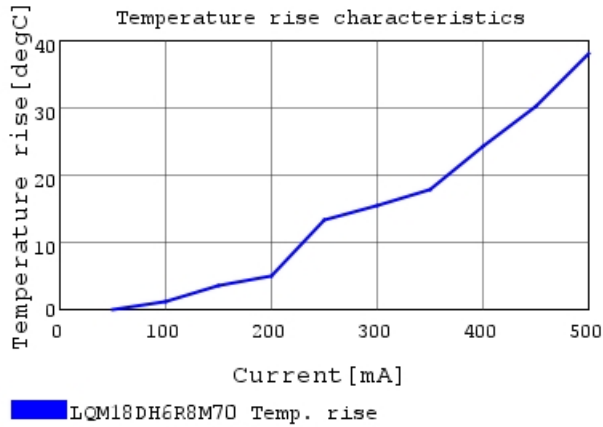
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