

LQM18DH6R8M70#

“#” indicates a package specification code.

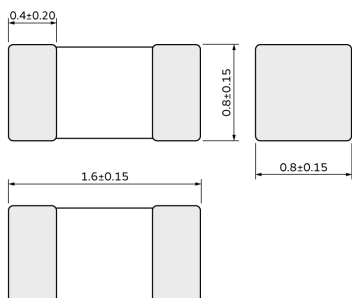
Bias Current Characteristics Improved



< List of part numbers with package codes >

LQM18DH6R8M70B LQM18DH6R8M70L

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 |
| Class of magnetic shield | Ferrite Core |
| Self resonance frequency (min.) | 40MHz |
| DC Resistance Intermediate Values | 0.74±0.22Ω |
| Operating Temperature Range | -55°C to 150°C |
| Series | LQM18DH_70 |

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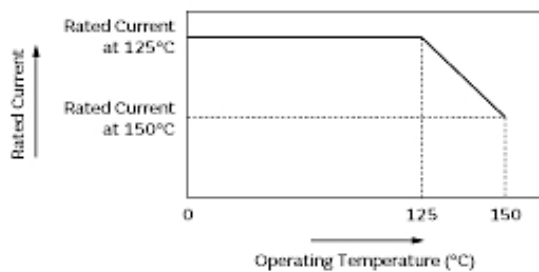


Notice For General

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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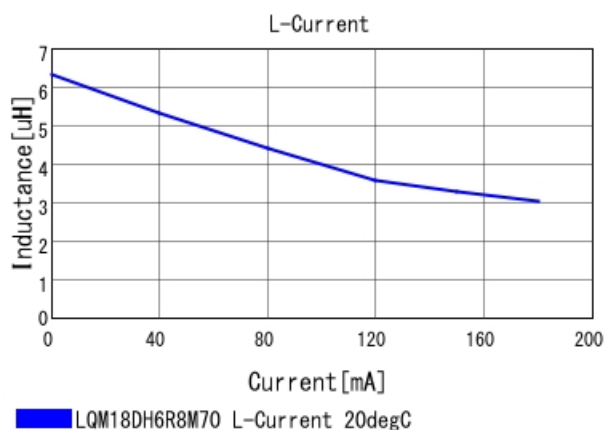
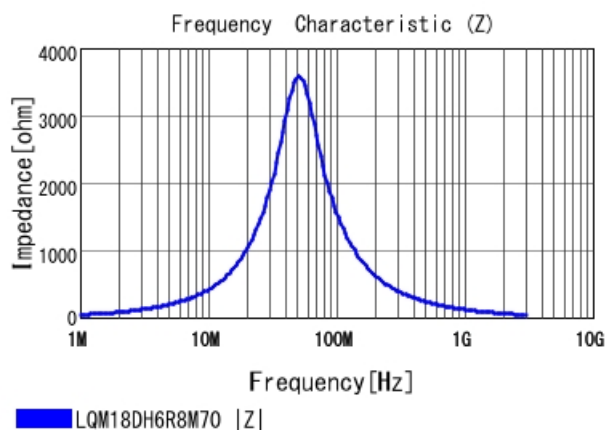
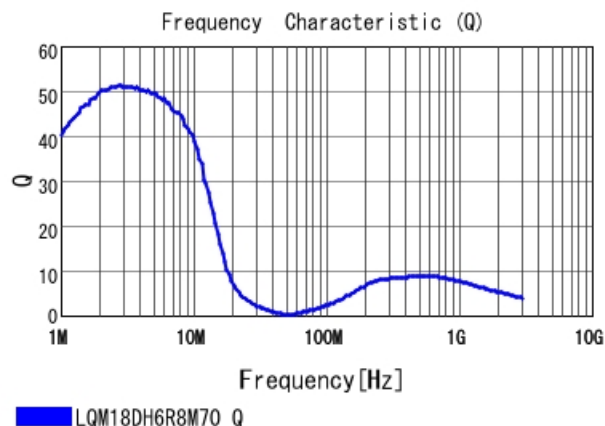
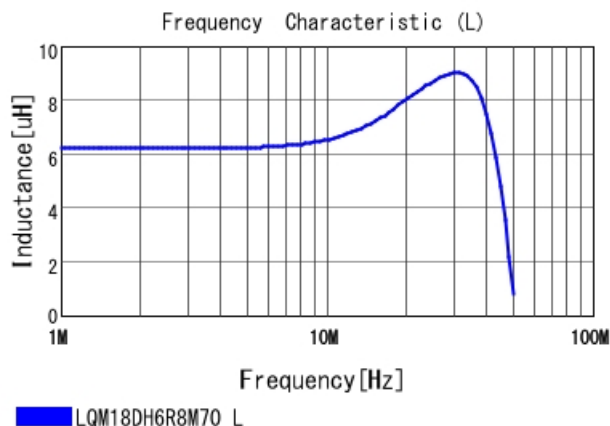
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Characteristic Data

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



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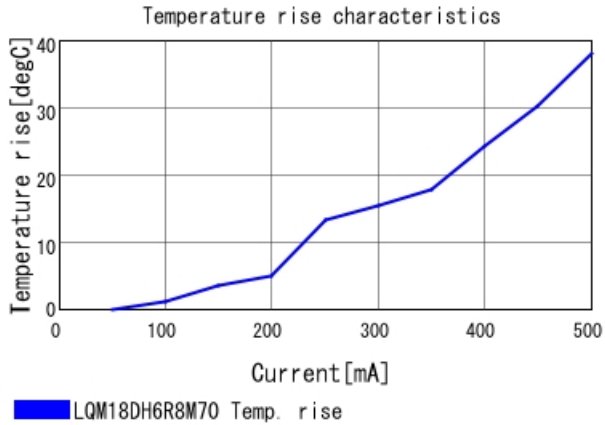
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