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LQW18FT1R5K0H#

"#"at the end indicates the package specification code.

Wide frequency band, high inductance, for power line.

In Production | New | AEC-Q200 | RoHS | REACH | 125 °C max. | Wound (Ferrite) | Reflow OK

< List of part numbers with package codes >

LQW18FT1R5K0HL

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment,Automotive powertrain/safety equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector 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, PoC [Power over Coax]

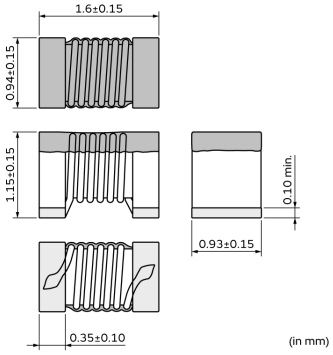
References

Packaging	Specifications	Standard Packing Quantity
L	180Embossed Tape	2500

Mass (typ.)	
1 piece	0.006g

Appearance & Shape





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Specifications

L size	1.6±0.15mm
W size	0.94±0.15mm
T size	1.15±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	1.5μH±10%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	530mA(Ambient temp.85℃) 400mA(Ambient temp.105℃) 280mA(Ambient temp.125℃)
Max. of DC resistance	0.42Ω
Class of magnetic shield	Shielded（Ferrite Core）
Self resonance frequency (min.)	260MHz
Brand	Murata
Operating Temperature Range	-40℃ to 125℃
Series	LQW18FT_0H

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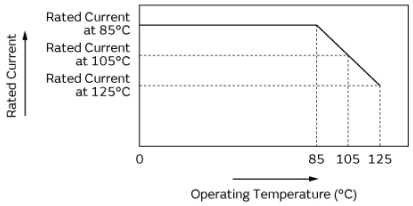
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"#"at the end indicates the package specification code.

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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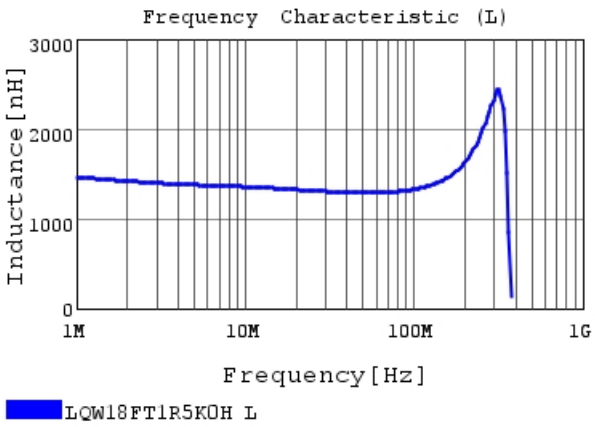
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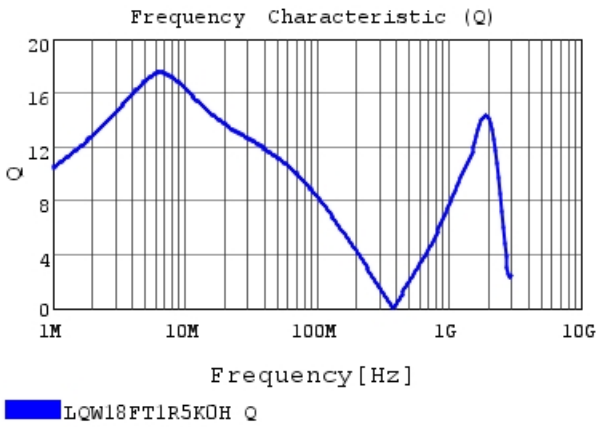
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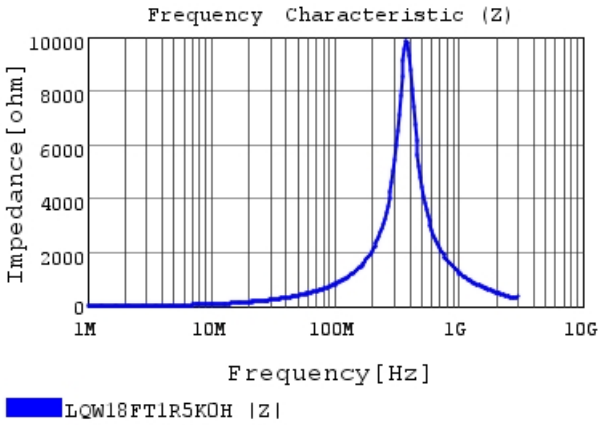
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Characteristic Data

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







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