

# LQW18FT1R2K0H#

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

Wide frequency band, high inductance, for power line.



< List of part numbers with package codes >  
LQW18FT1R2K0HL

## 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]

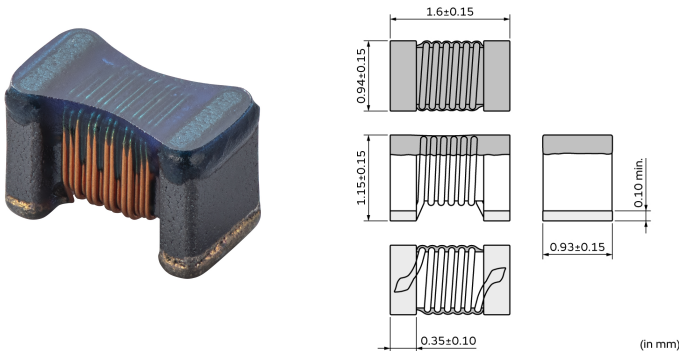
## References

Packaging	Specifications	Standard Packing Quantity
L	180 Embossed Tape	2500

Mass (typ.)	
1 piece	0.006g

## Appearance & Shape



### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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	0.94±0.15mm
T size	1.15±0.15mm
Size code inch (mm)	0603 (1608)
Inductance	1.2μH±10%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	560mA(Ambient temp.85°C) 430mA(Ambient temp.105°C) 300mA(Ambient temp.125°C)
Max. of DC resistance	0.37Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	280MHz
Brand	Murata
Operating Temperature Range	-40°C to 125°C
Series	LQW18FT_0H

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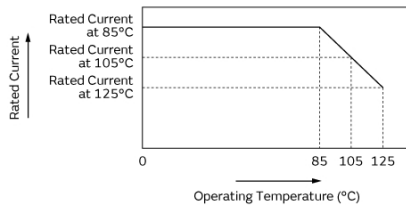


## Notice For General

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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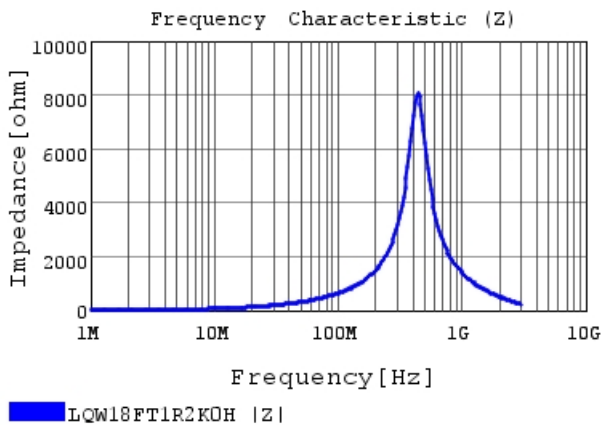
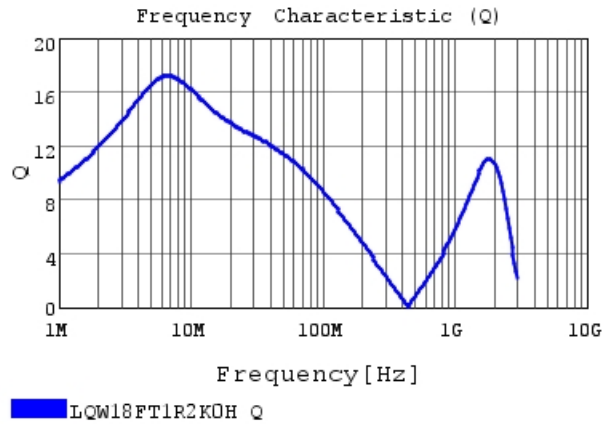
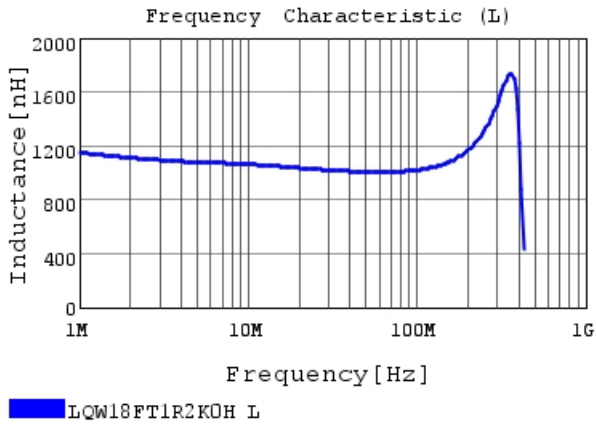
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## Characteristic Data

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



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