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http://www.murata.com/en/products/productdetail?partno=LQW18FT2R2K0H%23

# LQW18FT2R2K0H#

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

Wide frequency band, high inductance, for power line.

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

## < List of part numbers with package codes >

LQW18FT2R2K0HL

## 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<br>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] |

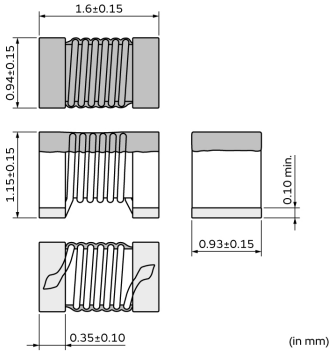
## References

| Packaging | Specifications | Standard Packing Quantity |
|---|---|---|
| L | 180Embossed Tape | 2500 |

| Mass (typ.) | |
|---|---|
| 1 piece | 0.006g |

## Appearance & Shape








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# LQW18FT2R2K0H#

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

## 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 | 2.2μH±10% |
| Inductance Test Frequency | 1MHz |
| Rated current (Itemp)<br>(Based on Temperature rise) | 390mA(Ambient temp.85℃)<br>300mA(Ambient temp.105℃)<br>200mA(Ambient temp.125℃) |
| Max. of DC resistance | 0.77Ω |
| Class of magnetic shield | Shielded（Ferrite Core） |
| Self resonance frequency<br>(min.) | 240MHz |
| Brand | Murata |
| Operating Temperature<br>Range | -40℃ to 125℃ |
| Series | LQW18FT_0H |



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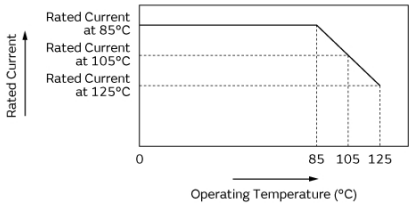
# LQW18FT2R2K0H#

"#"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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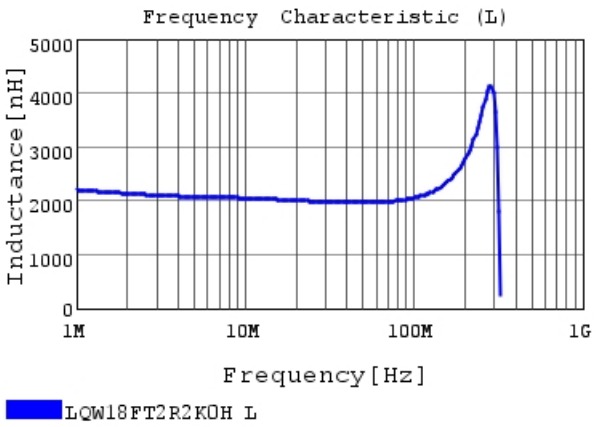
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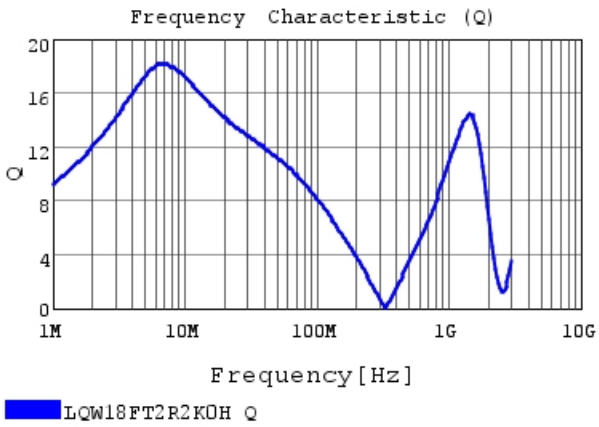
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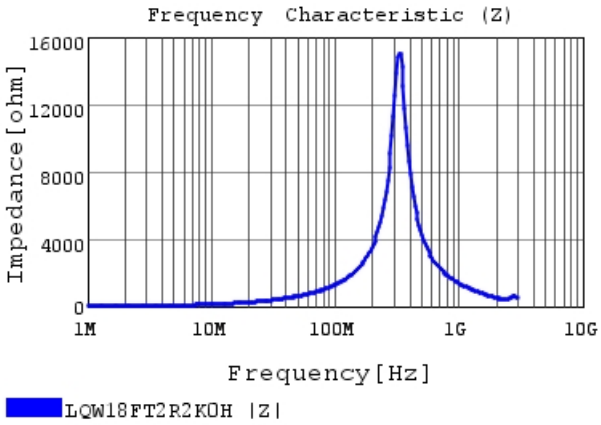
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## Characteristic Data

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






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