

# LQW32FT2R2M0H#

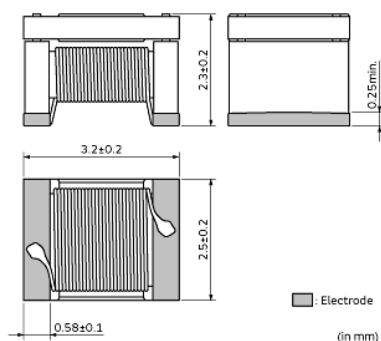
“#” indicates a package specification code.

Wide frequency band, high inductance, for power line.



< List of part numbers with package codes >  
LQW32FT2R2M0HB LQW32FT2R2M0HL

## Appearance & Shape



## Notices

Please consider 'Notice (Rating).' When rated current is applied to the products, inductance will be within  $\pm 30\%$  of nominal inductance. Keep the temperature (ambient temperature plus self-generation of heat) under  $125^{\circ}\text{C}$ . When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to  $40^{\circ}\text{C}$  max. Rated current is derated as following figure depending on the operating temperature.

### Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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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References

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
L	180Embossed Tape	1500

Mass (typ.)	
1 piece	0.073g

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## Specifications

L size	3.2±0.2mm
W size	2.5±0.2mm
T size	2.3±0.2mm
Size code inch (mm)	1210 (3225)
Inductance	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1000mA
Rated current (Itemp) (Based on Temperature rise)	1000mA(Ambient temp.85°C)880mA(Ambient temp.105°C)520mA(Ambient temp.125°C)
Max. of DC resistance	0.19Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	200MHz
Operating Temperature Range	-40°C to 125°C
Series	LQW32FT_0H

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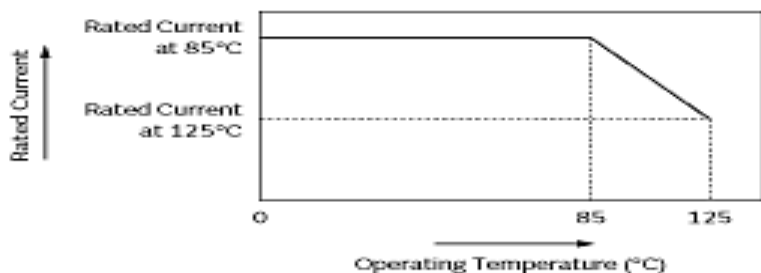
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## Notice For General

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



#### Attention

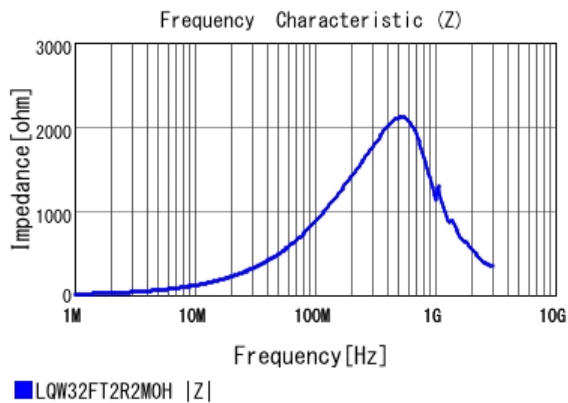
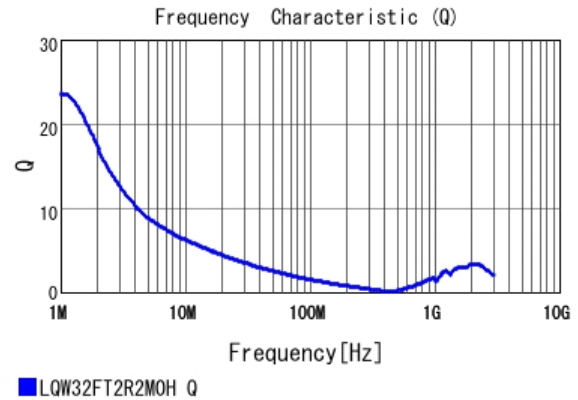
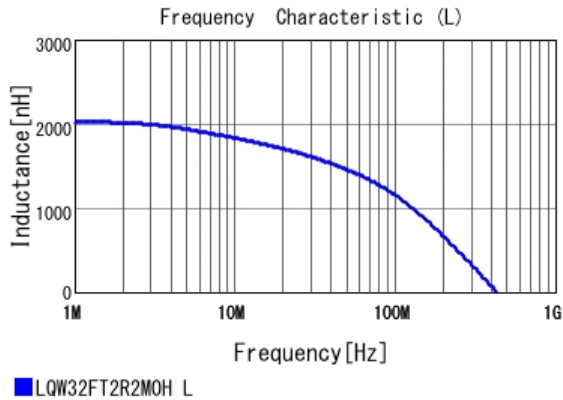
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## Characteristic Data

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



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