

LQW43FT220M0H#

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

Wide frequency band, high inductance, for power line.



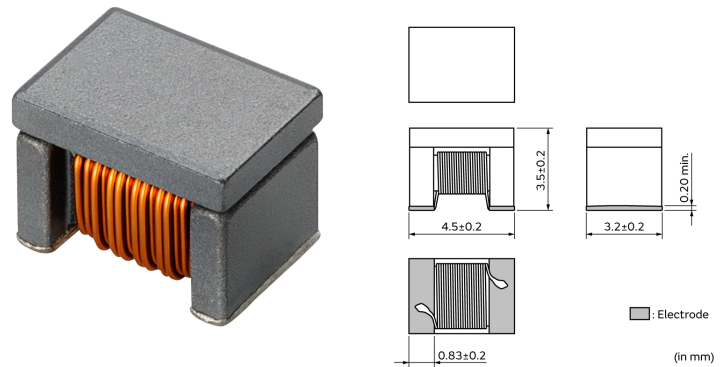
< List of part numbers with package codes >

LQW43FT220M0HB LQW43FT220M0HK LQW43FT220M0HL

Applications

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

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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References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	100
K	330Embossed Tape	1500
L	180Embossed Tape	400

Mass (typ.)	
1 piece	0.209g

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Specifications

L size	4.5±0.2mm
W size	3.2±0.2mm
T size	3.5±0.2mm
Size code inch (mm)	1812 (4532)
Inductance	22μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	700mA
Rated current (Itemp) (Based on Temperature rise)	700mA(Ambient temp.105°C) 500mA(Ambient temp.125°C)
Max. of DC resistance	0.18Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	30MHz
Brand	Murata
Operating Temperature Range	-40°C to 125°C
Series	LQW43FT_0H

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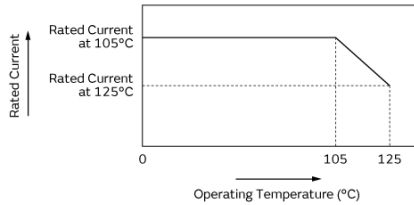
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Notice For General

In operating temperatures exceeding +105°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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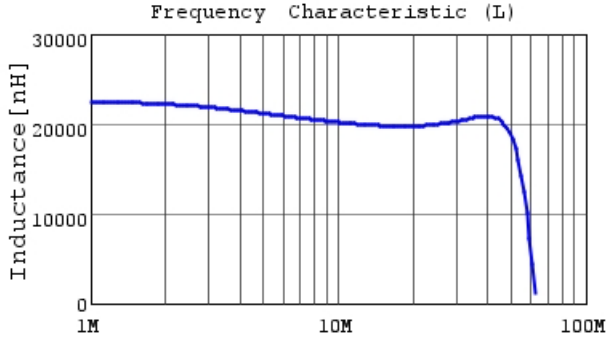
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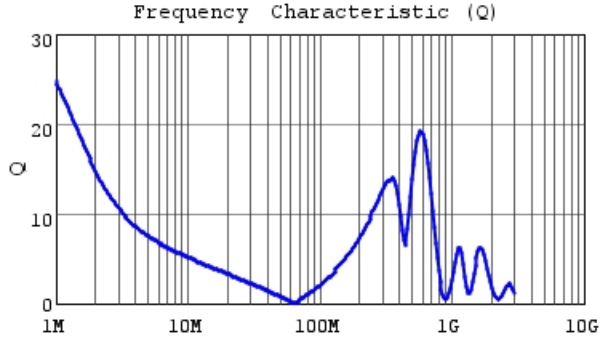


Characteristic Data

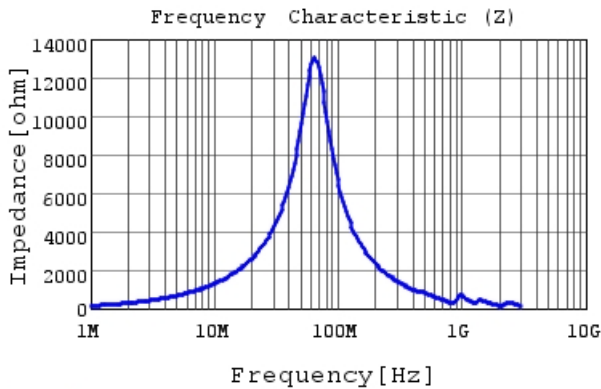
The charts below may show another part number which shares its characteristics.



LQW43FT220M0H L



LQW43FT220M0H Q



LQW43FT220M0H |Z|

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