

Note: This datasheet may be out of date.

Please download the latest datasheet of LQW21FT1R5M0H# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQW21FT1R5M0H%23

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

Wide frequency band, high inductance, for power line.















< List of part numbers with package codes > LQW21FT1R5M0HB LQW21FT1R5M0HL



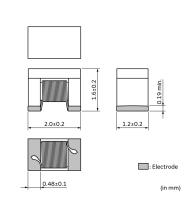
Applications

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



Appearance & Shape







References

Packaging	Specifications	Standard Packing
· aamagaag		Quantity
В	Bulk(Bag)	500
L	180Embossed Tape	1500

Mass (typ.)	
1 piece	0.015g

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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	2.0±0.2mm
W size	1.2±0.2mm
T size	1.6±0.2mm
Size code inch (mm)	0805 (2012)
Inductance	1.5µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	550mA
Rated current (Itemp)	550mA(Ambient temp.105°C)
(Based on Temperature rise)	500mA(Ambient temp.125°C)
Max. of DC resistance	0.18Ω
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	260MHz
Brand	Murata
Operating Temperature Range	-40°C to 125°C
Series	LQW21FT_0H

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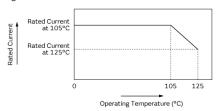


Notice For General

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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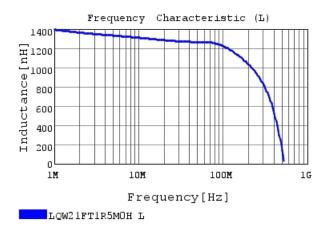
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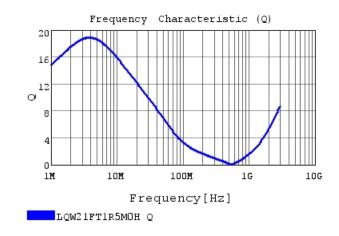
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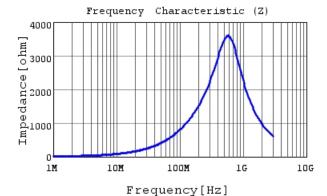


Characteristic Data

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







LQW21FT1R5MOH |Z|

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