

Note: This datasheet may be out of date. Please download the latest datasheet of LQM21PNR24MEH# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=LQM21PNR24MEH%23

LQM21PNR24MEH#

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

Added 0.8mm max. height type to 0805(inch), good current bias characteristics, low DC resistance, high performance power inductors.

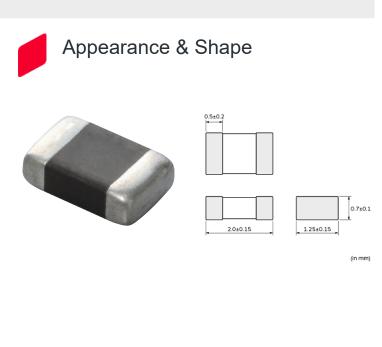


< List of part numbers with package codes > LQM21PNR24MEHB LQM21PNR24MEHD



Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	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	Concurrer equipment	
Applications	Consumer equipment	





Notices

When rated current is applied to the products, inductance will be within $\pm 30\%$ of initial inductance value range. When rated current is applied to the products, the temperature rise caused by selfgenerated heat shall be limited to 40°C max. Keep the temperature (ambient temperature plus selfgeneration of heat) under 125°C.

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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.

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References

		Standard
Packaging	Specifications	Packing
		Quantity
В	Bulk(Bag)	1000
D	180mm Paper Tape	3000

Mass (typ.)	
1 piece	0.01g

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Specifications

L size	2.0±0.15mm
W size	1.25±0.15mm
T size	0.7±0.1mm
Size code inch (mm)	0805 (2012)
Inductance	0.24µH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2.8A(Max.) / 3.1A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.4A(Max.) / 2.9A(Typ.)
Max. of DC resistance	0.05Ω
DC resistance	0.04Ω(Тур.)
Class of magnetic shield	Shielded (Ferrite Core)
Self resonance frequency (min.)	130MHz
Brand	Murata
Operating Temperature Range	-40°C to 85°C
Series	LQM21PN_EH

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Product Search Data Sheet

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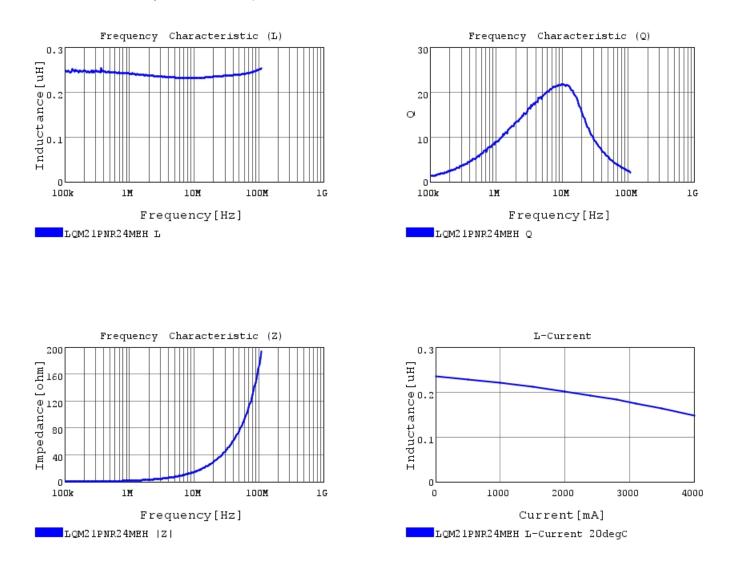
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Characteristic Data

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



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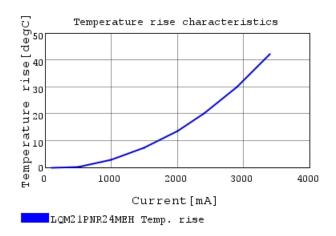
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