

LQM21PNR47MEH#

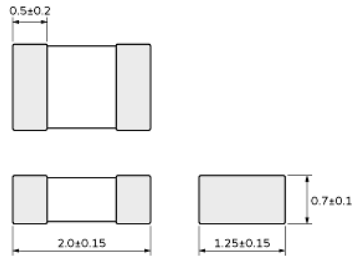
"#" indicates a package specification code.

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 >
LQM21PNR47MEHD LQM21PNR47MEHB

Appearance & Shape



(in mm)

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 self-generated heat shall be limited to 40°C max. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

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
D	180mm Paper Tape	3000
B	Bulk(Bag)	1000

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	0.47μH±20%
Inductance Test Frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	1.5A(Max.) / 1.8A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	1.9A(Max.) / 2.4A(Typ.)
Max. of DC resistance	0.075Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	80MHz
DC Resistance Intermediate Values	0.06Ω(typ.)
Operating Temperature Range	-40°C to 85°C
Series	LQM21PN_EH

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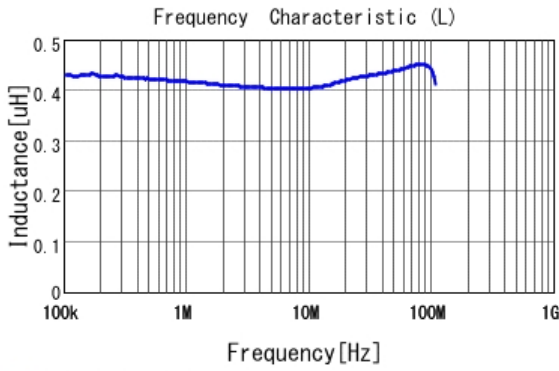
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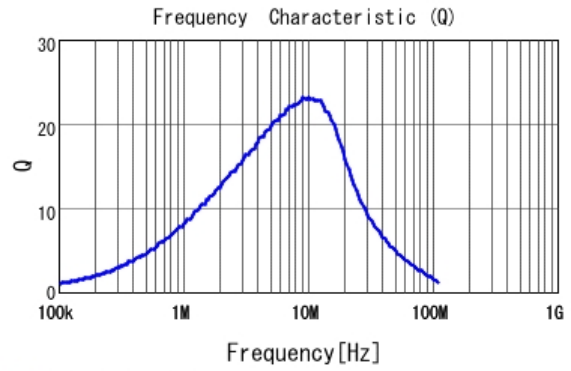
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Characteristic Data

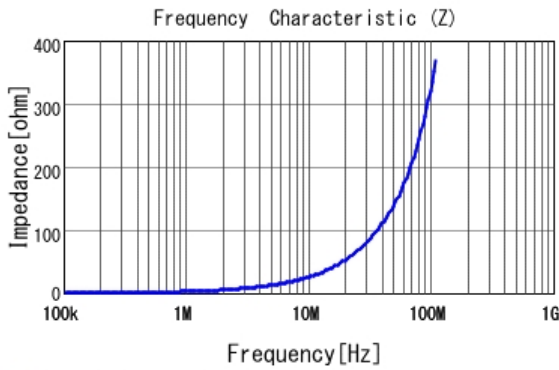
The charts below may show another part number which shares its characteristics.



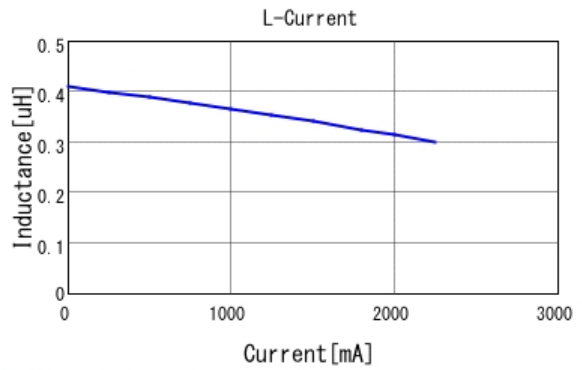
■ LQM21PNR47MEH L



■ LQM21PNR47MEH Q



■ LQM21PNR47MEH |Z|



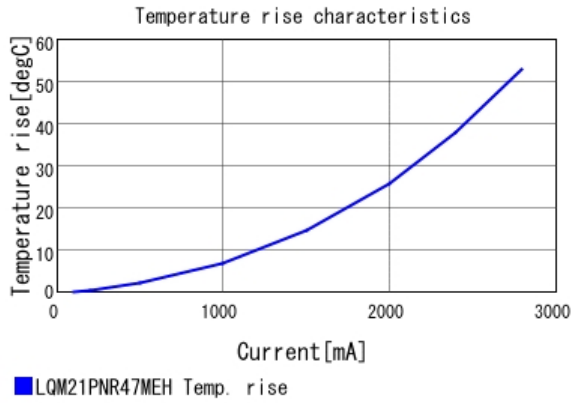
■ LQM21PNR47MEH L-Current 20degC

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