

LQM21PN1R5MEH#

“#” indicates a package specification code.

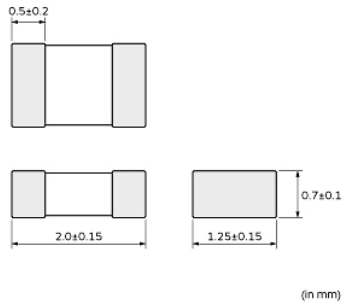
Added 0.8mm max. height type to 0805(inch), good current bias characteristics, low DC resistance, high performance power inductors.



< List of part numbers with package codes >

LQM21PN1R5MEHB LQM21PN1R5MEHD

Appearance & Shape



References

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

Mass (typ.)	
1 piece	0.01g

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

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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±0.15mm
W size	1.25±0.15mm
T size	0.7±0.1mm
Size code inch (mm)	0805 (2012)
Inductance	1.5μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	0.4A(Max.) / 0.55A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	1.5A(Max.) / 1.8A(Typ.)
Max. of DC resistance	0.125Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	40MHz
Brand	Murata
DC Resistance Intermediate Values	0.1Ω(typ.)
Operating Temperature Range	-40°C to 85°C
Series	LQM21PN_EH

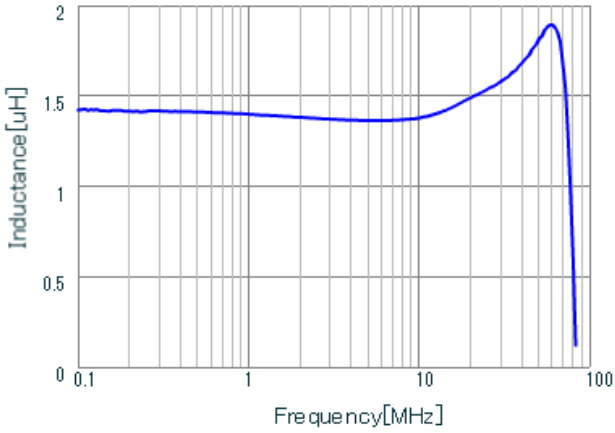
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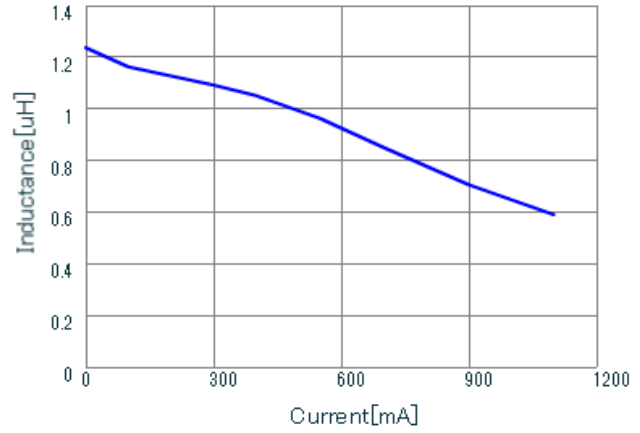
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Characteristic Data

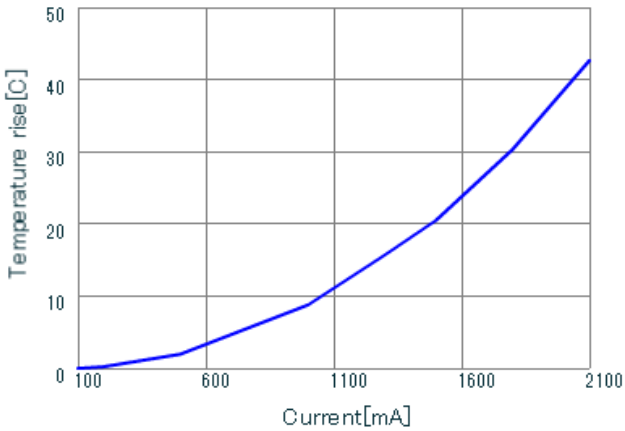


LQM21PN1R5MEH L



LQM21PN1R5MEH DC-Bias, 20

Inductance - Frequency Characteristics



LQM21PN1R5MEH DT_Current

Impedance - Current Characteristics

Temperature Increase Characteristic

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