

# LQM21PN2R2MEH#

"#" indicates a package specification code.

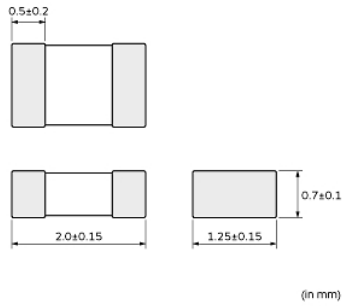
Added 0.8mm max. height type to 0805(inch), good current bias characteristics, low DC resistance, high performance power inductors.



## < List of part numbers with package codes >

LQM21PN2R2MEHB      LQM21PN2R2MEHD

## 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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## 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	2.2μH±20%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	0.3A(Max.) / 0.45A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	1.1A(Max.) / 1.4A(Typ.)
Max. of DC resistance	0.219Ω
Class of magnetic shield	Ferrite Core
Self resonance frequency (min.)	30MHz
Brand	Murata
DC Resistance Intermediate Values	0.175Ω(typ.)
Operating Temperature Range	-40°C to 85°C
Series	LQM21PN_EH

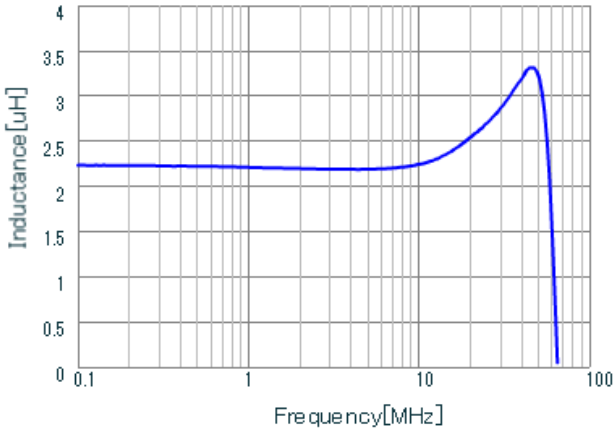
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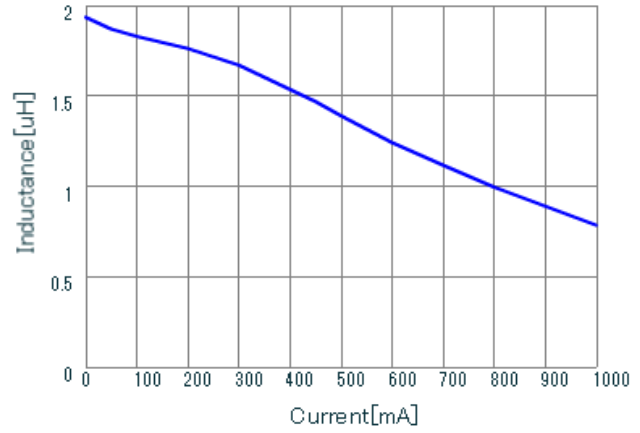
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## Characteristic Data



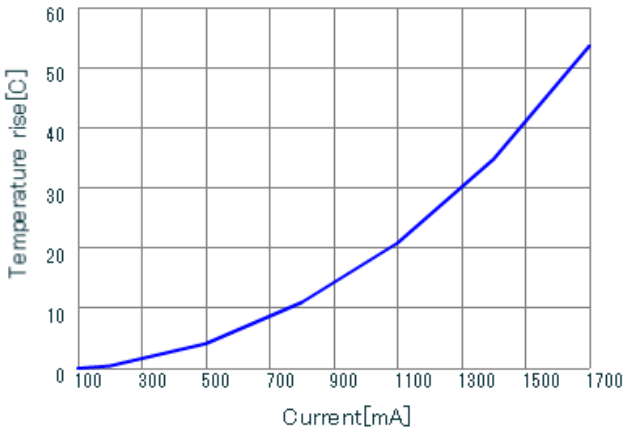
LQM21PN2R2MEH L



LQM21PN2R2MEH DC-Bias, 20

### Inductance - Frequency Characteristics

### Impedance - Current Characteristics



LQM21PN2R2MEH DT\_Current

### Temperature Increase Characteristic

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