

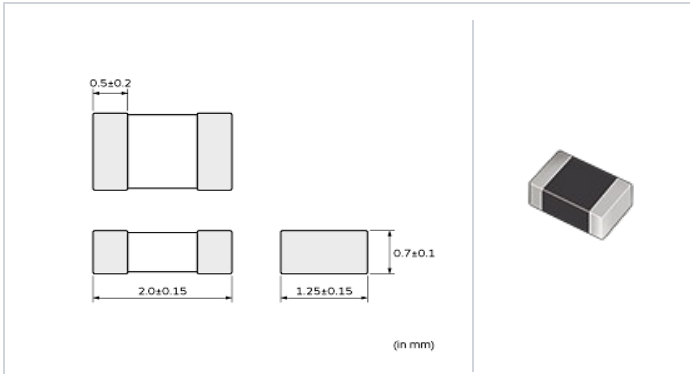
# LQM21PN1R0MEH#

“#” indicates a package specification code.



< List of part numbers with package codes >  
LQM21PN1R0MEHD , LQM21PN1R0MEHB

## Shape



L size	2.0 ± 0.15mm
W size	1.25 ± 0.15mm
T size	0.7 ± 0.1mm
Size code in inch (mm)	0805 (2012)

## Notes

When rated current is applied to the products, inductance will be within ±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.

## References

Packaging code	Specifications	Minimum quantity
D	φ 180mm Paper taping	3000
B	Packing in bulk	1000

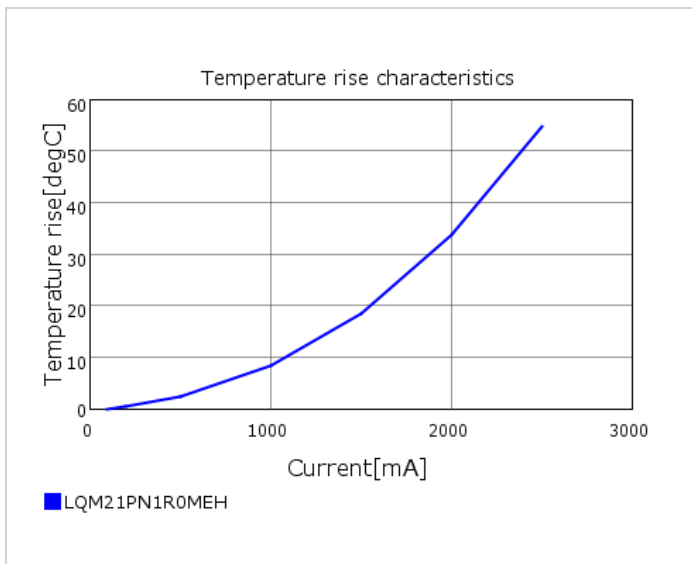
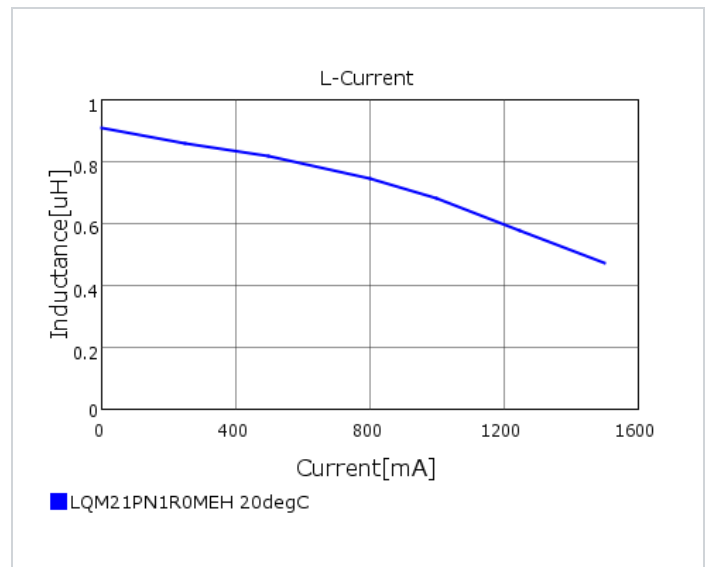
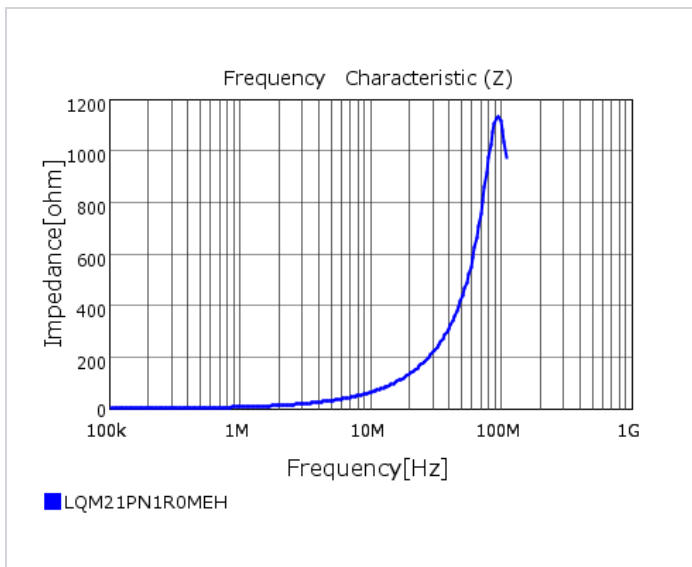
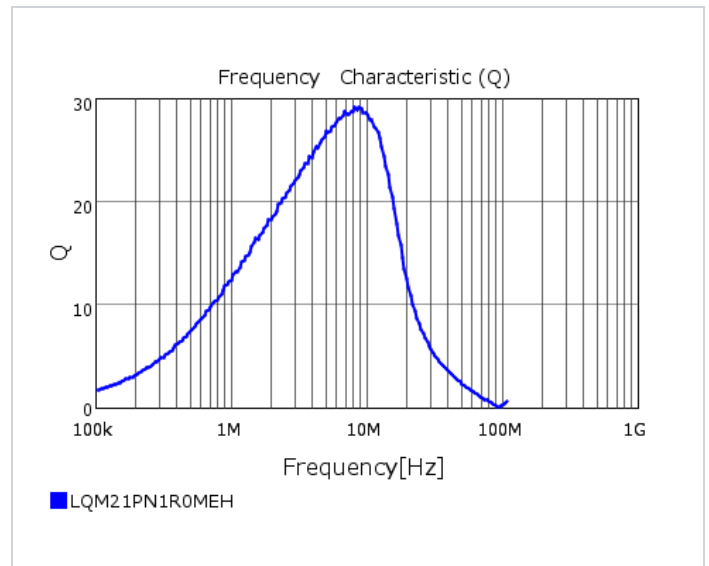
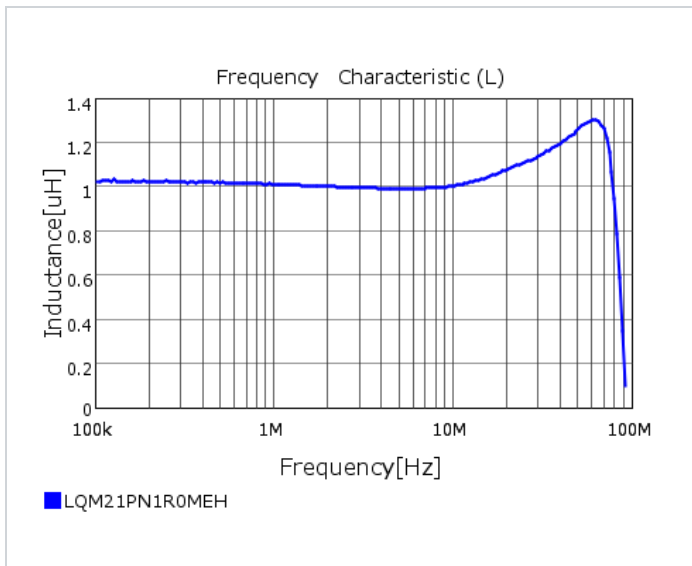
Mass (Typ.)	
1 piece	0.010g

## Specifications

Inductance	1.0μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	0.8A(Max.) / 1A(Typ.)
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1.6A(Max.) / 2A(Typ.)
Max. of DC resistance	0.107Ω
Avg. of DC resistance	0.085Ω (typ.)
Self resonance frequency (min.)	50MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_EH

### 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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