

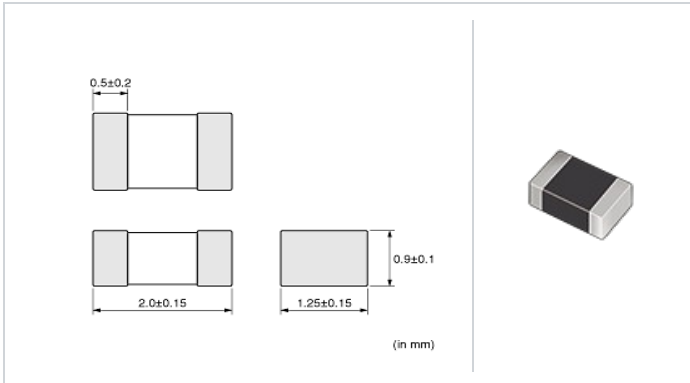
# LQM21PNR47MGH#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQM21PNR47MGHL , LQM21PNR47MGHB

## Shape



L size	2.0 ±0.15mm
W size	1.25 ±0.15mm
T size	0.9 ±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
L	φ 180mm Embossed taping	3000
B	Packing in bulk	1000

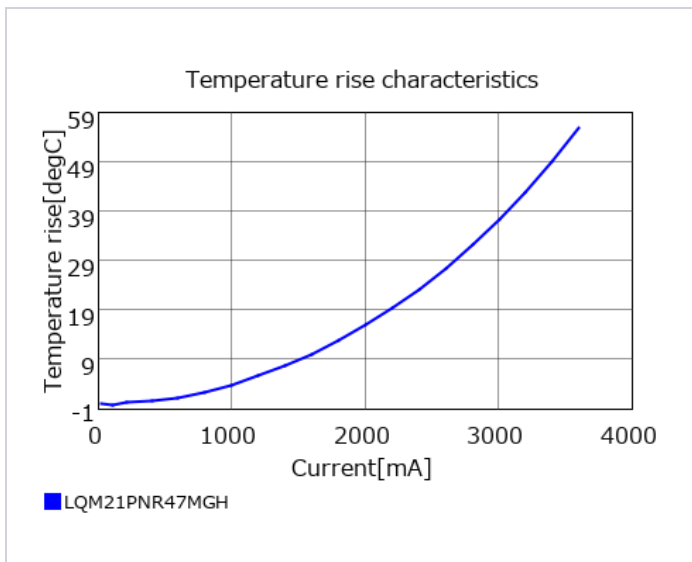
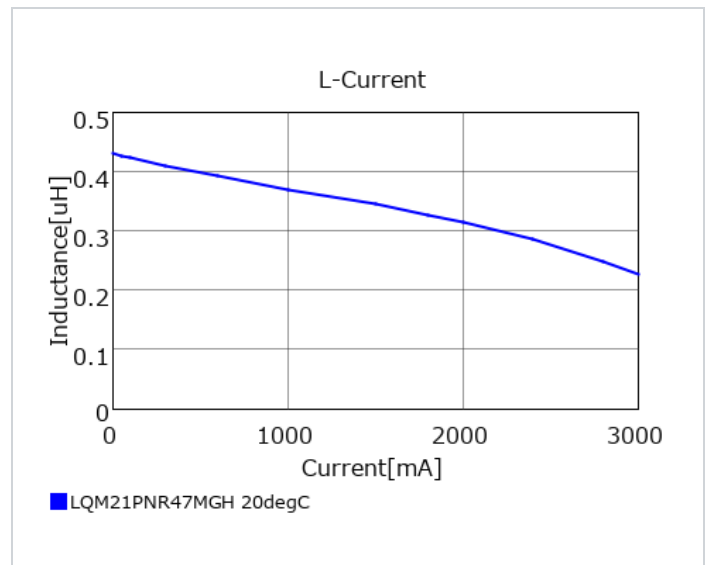
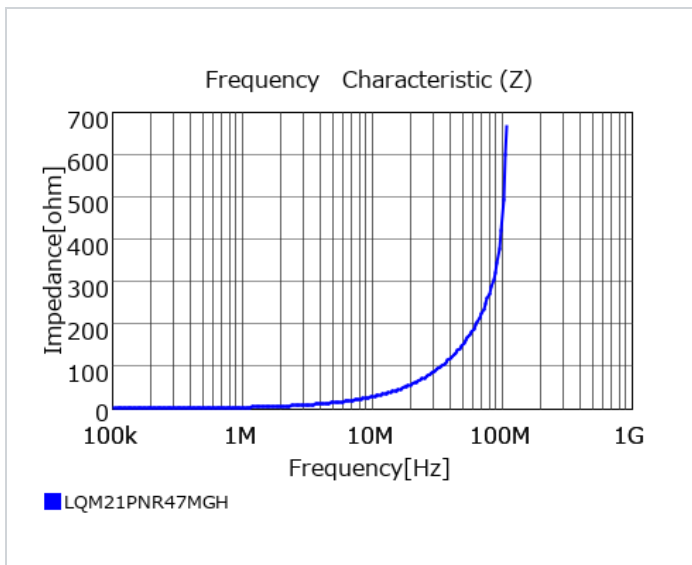
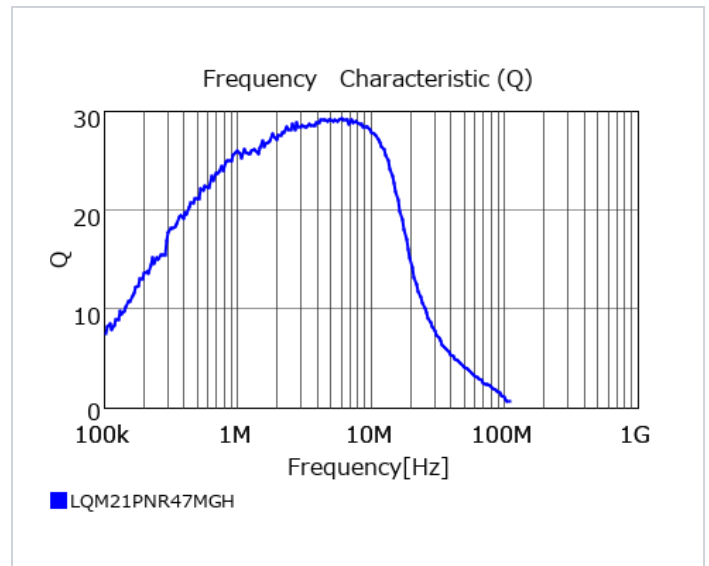
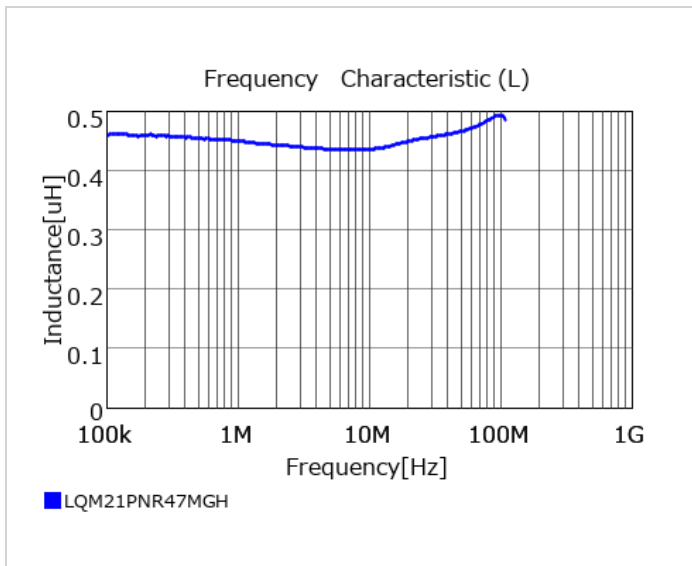
Mass (Typ.)	
1 piece	0.012g

## Specifications

Inductance	0.47μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1.8A(Max) / 2.4A(Typ.)
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	2.4A(Max) / 3.1A(Typ.)
Max. of DC resistance	0.05Ω
Avg. of DC resistance	0.04Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_GH

### Attention

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- 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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