

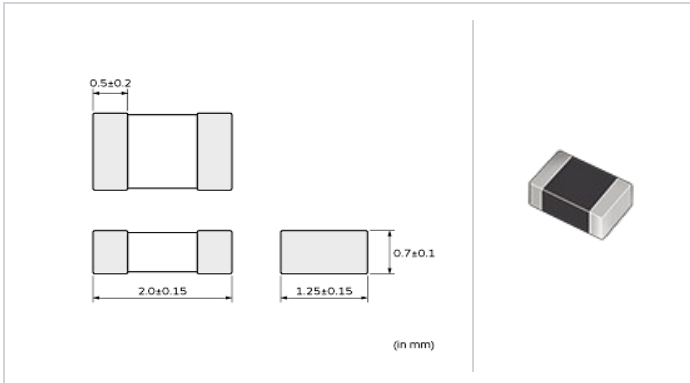
# LQM21PNR47MEH#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQM21PNR47MEHD , LQM21PNR47MEHB

## 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	φ180mm Paper taping	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.010g

## Specifications

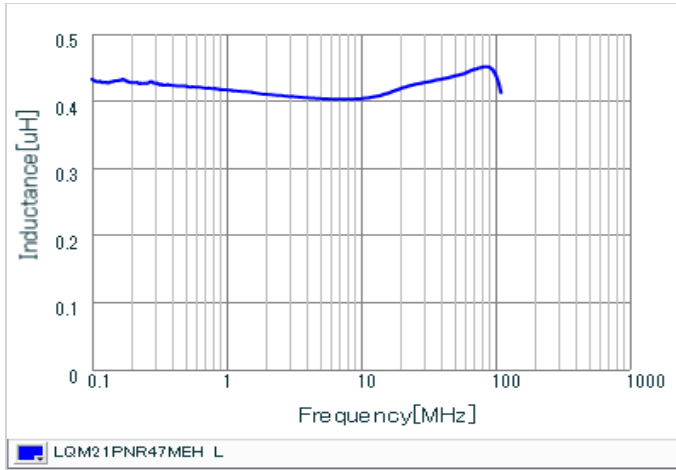
Inductance	0.47μH ±20%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1.5A(Max.) / 1.8A(Typ.)
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1.9A(Max.) / 2.4A(Typ.)
Max. of DC resistance	0.075Ω
Avg. of DC resistance	0.06Ω(typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40~85°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_EH

### Attention

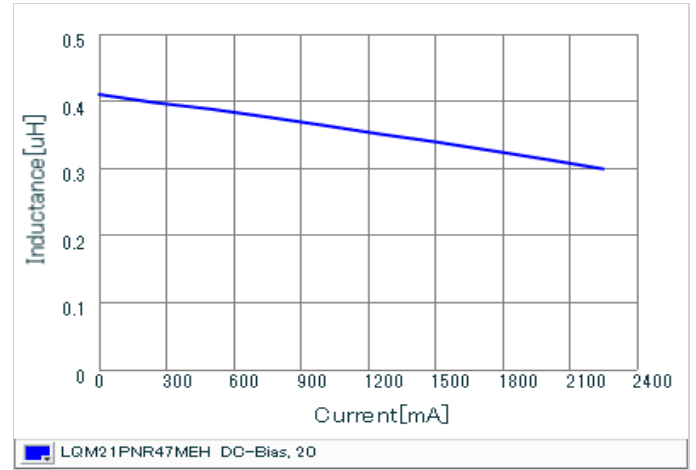
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

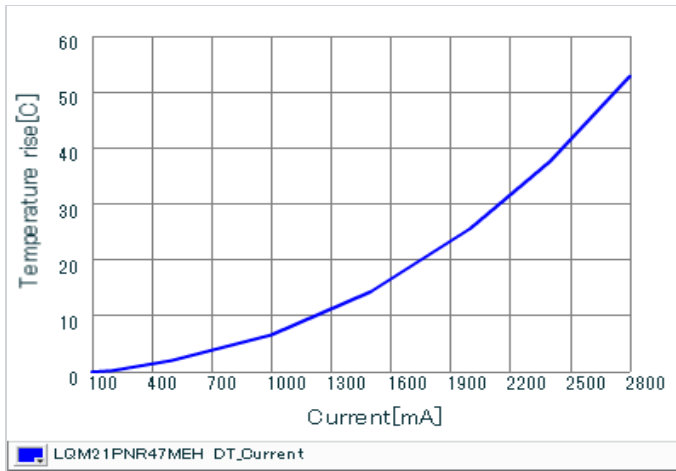
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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