

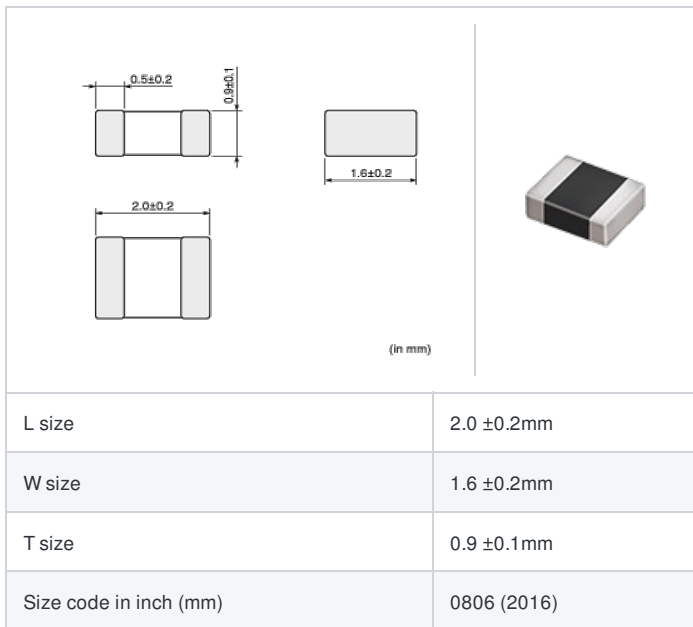
# LQM2MPNR47MGH#

# indicates a package specification code.



< List of part numbers with package codes >  
LQM2MPNR47MGHL , LQM2MPNR47MGHB

## Shape



## Notes

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.

## References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.012g

## Specifications

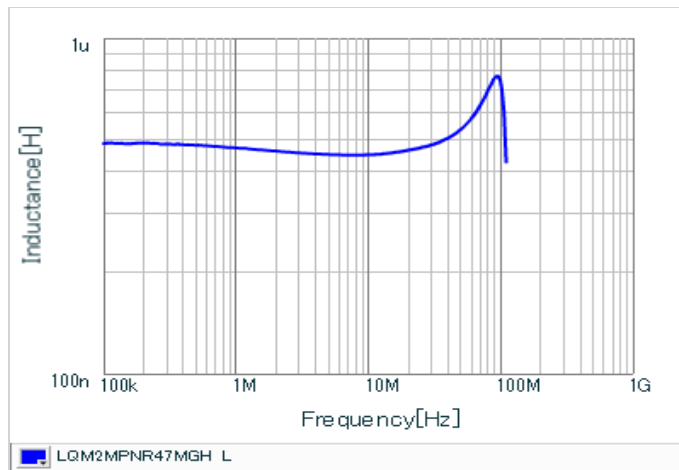
Inductance	0.47μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	3.4A(Max) / 3.6A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.5A(Max) / 3.2A(Typ.)
Max. of DC resistance	0.046Ω
Avg. of DC resistance	0.037Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM2MPN_GH

### Attention

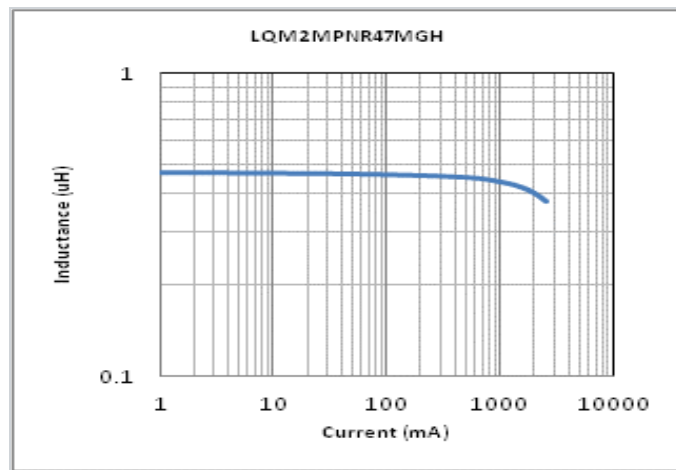
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

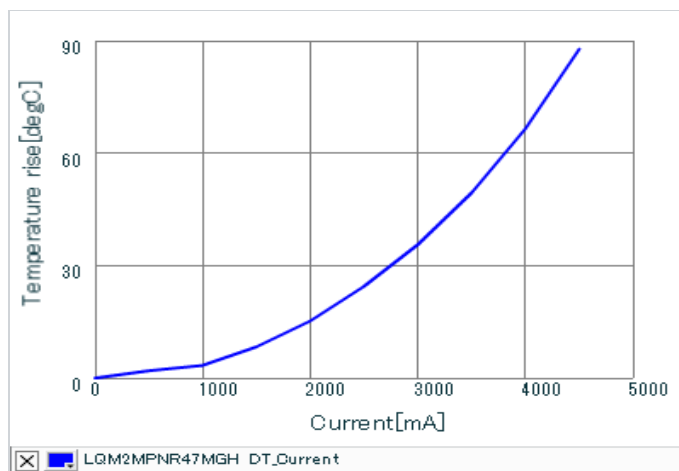
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



**⚠ Attention**

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