

LQM2HPNR47MGH#

"#" indicates a package specification code.



< List of part numbers with package codes >
 LQM2HPNR47MGHL , LQM2HPNR47MGHB

Shape

L size	2.5 ±0.2mm
W size	2.0 ±0.2mm
T size	0.9 ±0.1mm
Size code in inch (mm)	1008 (2520)

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	0.022g

Specifications

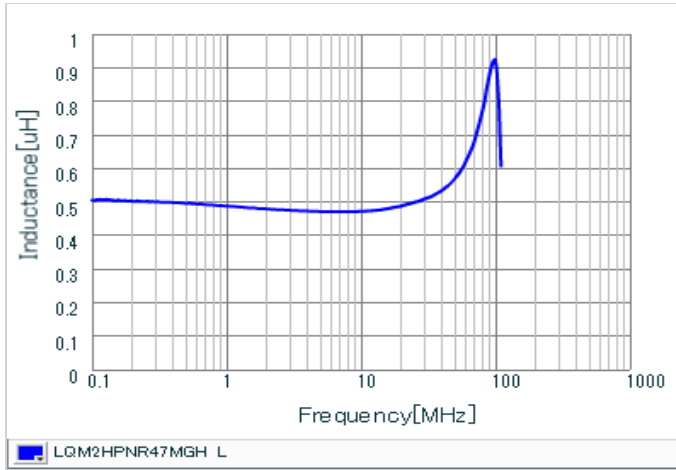
Inductance	0.47μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	4.5A(Max) / 4.8A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	2.6A(Max) / 3.3A(Typ.)
Max. of DC resistance	0.05Ω
Avg. of DC resistance	0.04Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM2HPN_GH

Attention

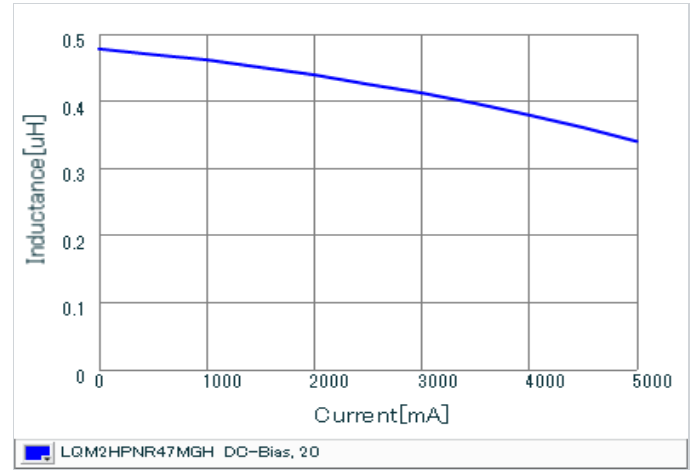
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

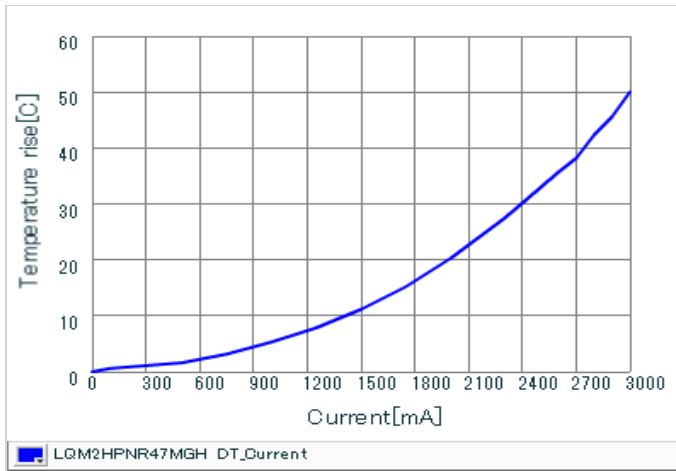
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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