

LQM2HPNR47MCH#

"#" indicates a package specification code.



< List of part numbers with package codes >
 LQM2HPNR47MCHL , LQM2HPNR47MCHK , LQM2HPNR47MCHB

Shape



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	φ180mm Embossed taping	3000
K	φ330mm Embossed taping	10000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.014g

Specifications

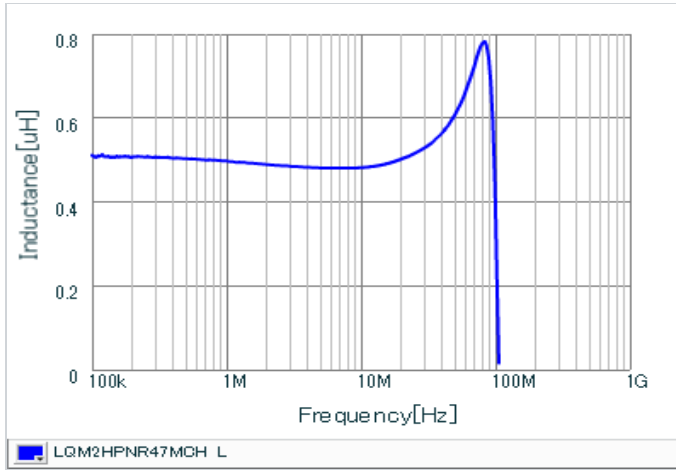
Inductance	0.47μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	1.66A(Max.) / 1.95A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	1.5A(Max.) / 1.9A(Typ.)
Max. of DC resistance	0.145Ω
Avg. of DC resistance	0.115Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM2HPN_CH

Attention

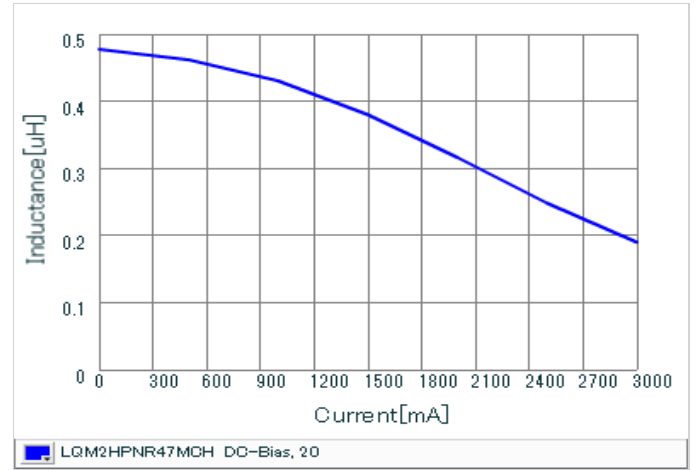
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

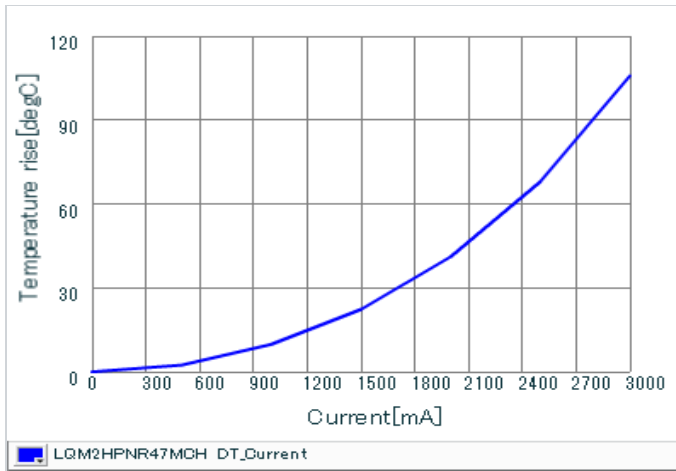
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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