

LQM2HPNR47MCH#

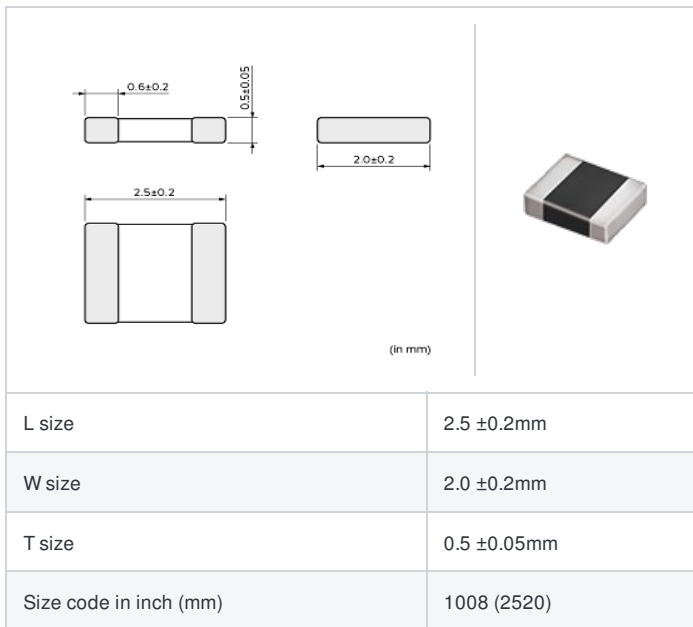
"#" indicates a package specification code.



< 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 (Isat) (Based on Inductance change)	1.66A(Max.) / 1.95A(Typ.)
Rated current (Itemp) (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

1 of 2

Attention

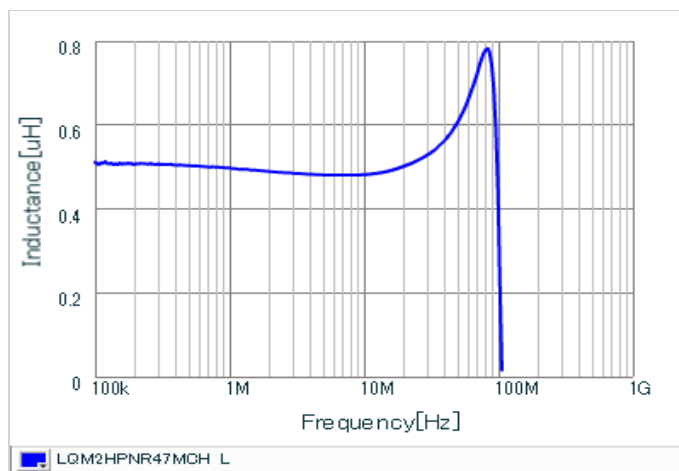
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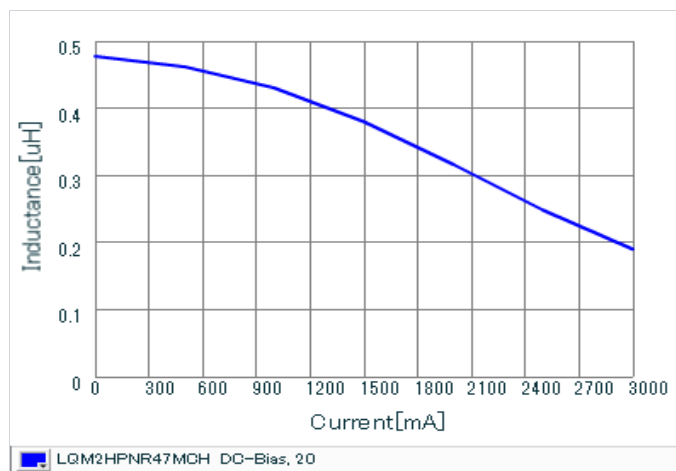
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

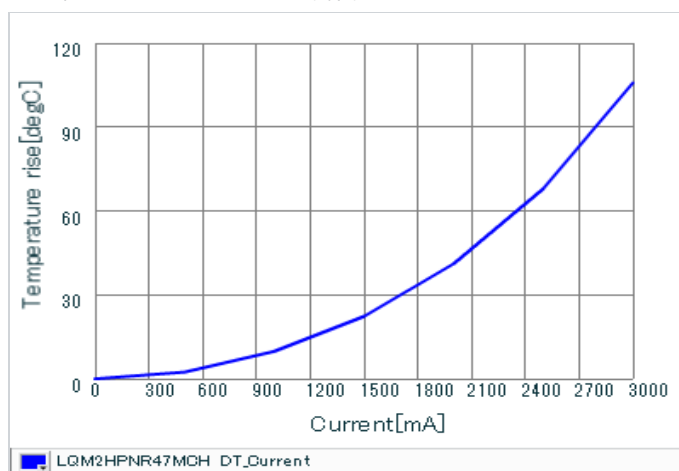
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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