

LQM2MPN1R0MEH#

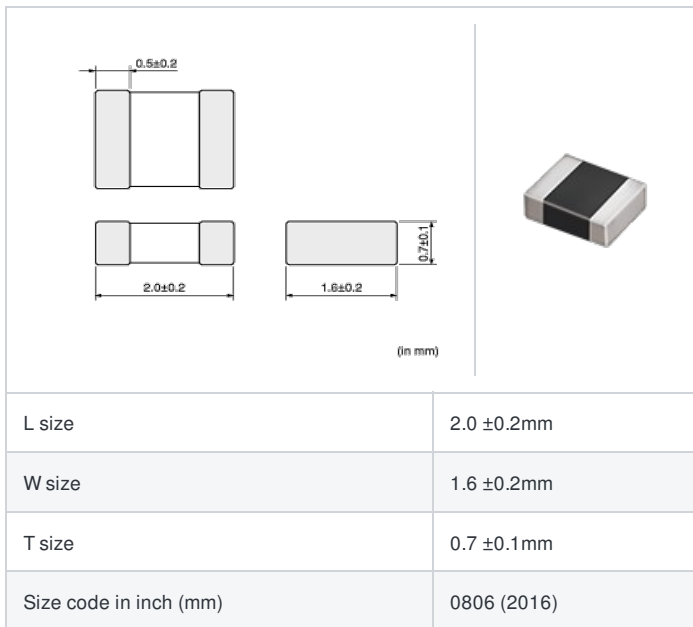
"#" indicates a package specification code.



< List of part numbers with package codes >

LQM2MPN1R0MEHL , LQM2MPN1R0MEHB

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	0.010g

Specifications

Inductance	1.0μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1.8A(Max) / 2.0A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	1.5A(Max) / 2.0A(Typ.)
Max. of DC resistance	0.125Ω
Avg. of DC resistance	0.1Ω (typ.)
Self resonance frequency (min.)	50MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM2MPN_EH

Attention

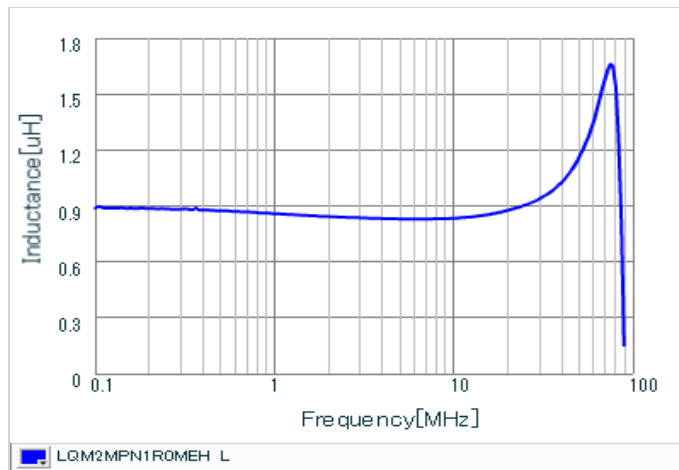
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2.This datasheet has only typical specifications because there is no space for detailed specifications.

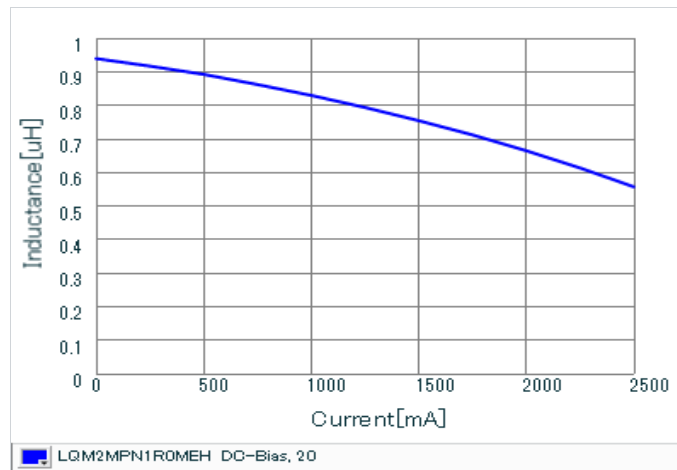
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

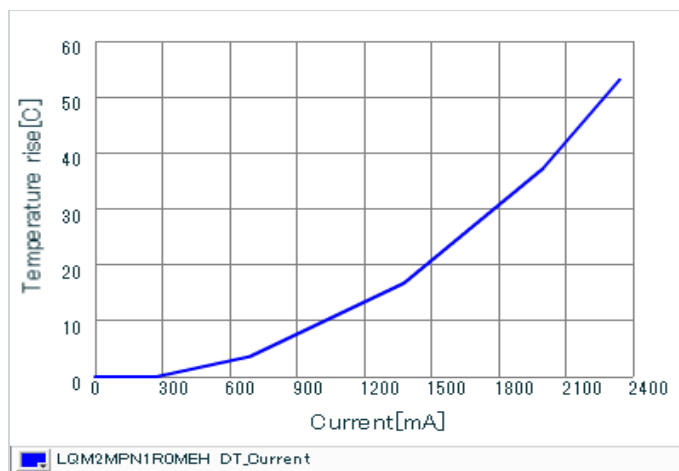
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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