

LQM18PW1R0MCH#

“#” indicates a package specification code.



< List of part numbers with package codes >
 LQM18PW1R0MCHD , LQM18PW1R0MCHB

Shape

Dimension of T	Inductance: 1.0 to 2.2µH	0.50±0.15
	Inductance: 2.5µH	0.45±0.15

(In mm)

L size	1.6 ±0.2mm
W size	0.8 ±0.2mm
T size	0.50 ±0.15mm
Size code in inch (mm)	0603 (1608)

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
D	φ 180mm Paper taping	4000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.004g

Specifications

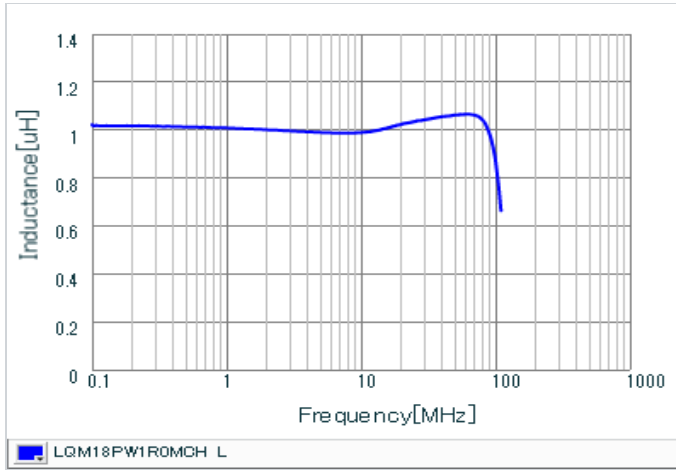
Inductance	1.0µH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	0.60A(Max) / 0.70A(Typ.)
Rated current (I _{temp}) (Based on Temperature rise)	0.95A(Max) / 1.05A(Typ.)
Max. of DC resistance	0.288Ω
Avg. of DC resistance	0.23Ω (typ.)
Self resonance frequency (min.)	70MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM18PW_CH

Attention

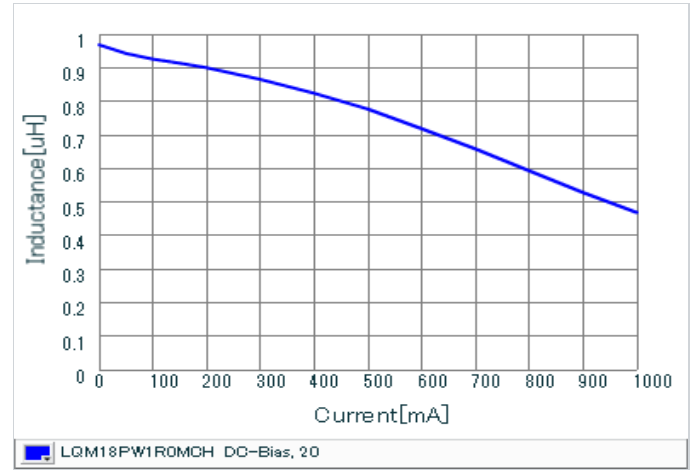
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

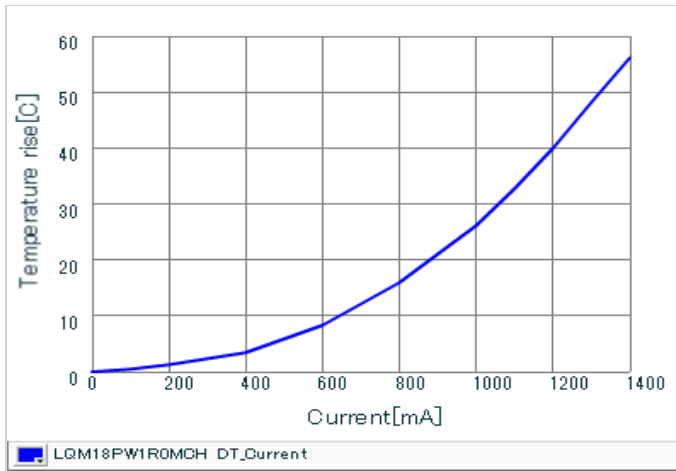
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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