

LQH5BPB1R0NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH5BPB1R0NT0L , LQH5BPB1R0NT0K

Shape

L size	5.0 ±0.2mm
W size	5.0 ±0.2mm
T size	2.0 ±0.2mm
Size code in inch (mm)	2020 (5050)

Notes

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value.
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	500
K	φ330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

Specifications

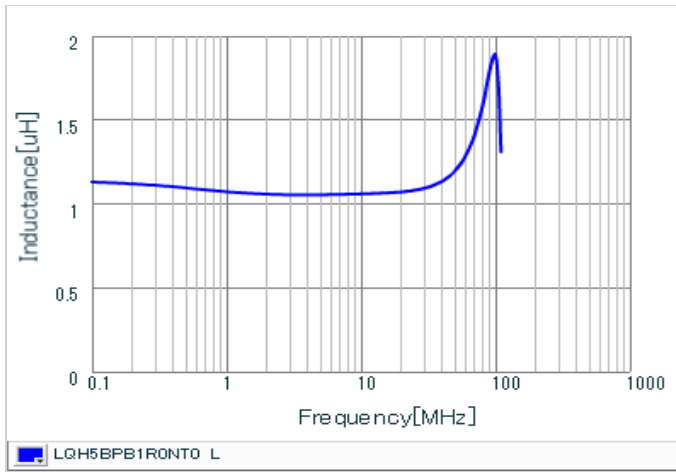
Inductance	1.0μH ±30%
Inductance test frequency	100kHz
Rated current (I _{sat}) (Based on Inductance change)	5.8A
Rated current (I _{temp}) (Based on Temperature rise)	3.1A(Ambient temp.85°C) 1.68A(Ambient temp.105°C)
Max. of DC resistance	0.0228Ω
Avg. of DC resistance	0.019Ω±20%
Self resonance frequency (min.)	90MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH5BPB_T0

Attention

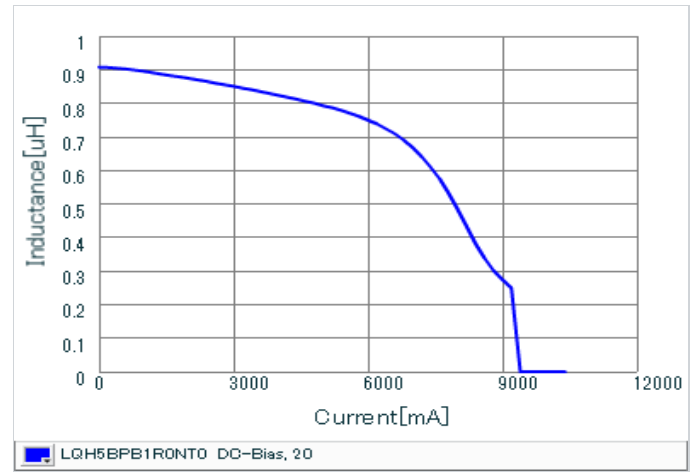
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

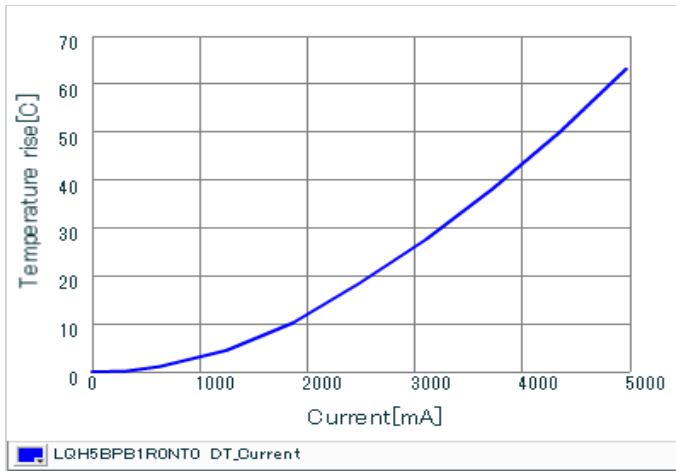
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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