

LQH5BPN1R2NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH5BPN1R2NT0L , LQH5BPN1R2NT0K

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 $\pm 30\%$ 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	$\phi 180$ mm Embossed taping	500
K	$\phi 330$ mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

Specifications

Inductance	1.2 μ H $\pm 30\%$
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5.4A
Rated current (Itemp) (Based on Temperature rise)	3.1A
Max. of DC resistance	0.0228 Ω
Avg. of DC resistance	0.019 $\Omega \pm 20\%$
Self resonance frequency (min.)	90MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH5BPN_T0

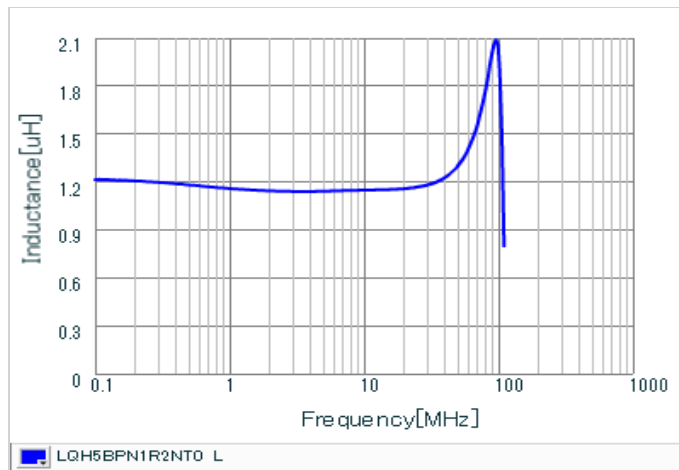
1 of 2

Attention

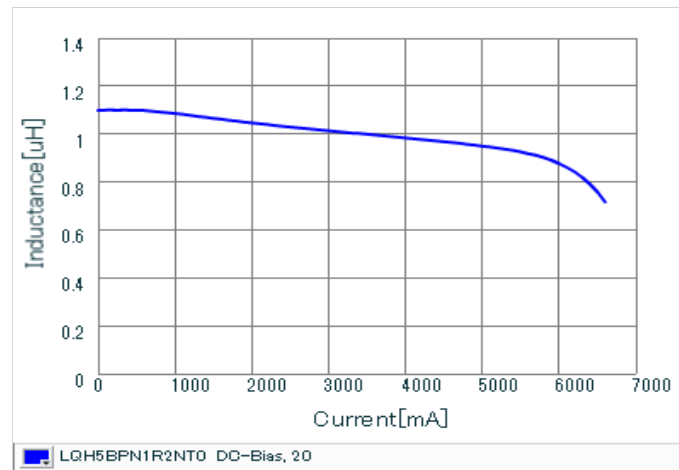
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

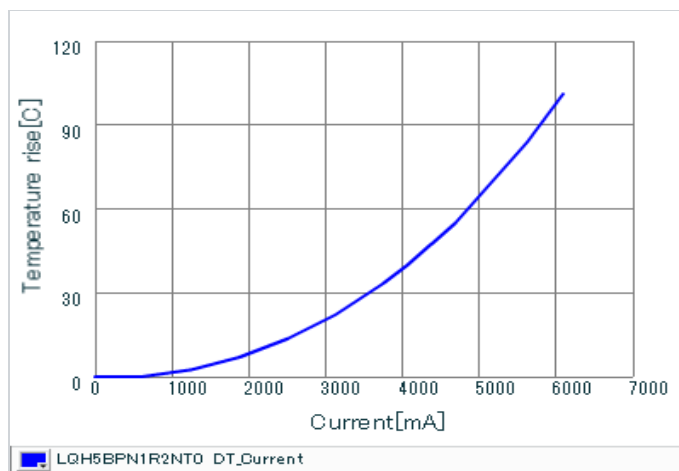
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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