

LQH3NPN1R0NG0#

indicates a package specification code.

Discontinued
General
85 °C max.
Wound (Ferrite)
Reflow OK
RoHS
REACH

Last Time Buy Date: 31 Mar 2018 Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >
 LQH3NPN1R0NG0L , LQH3NPN1R0NG0K

Shape

L size	3.0 ± 0.2mm
W size	3.0 ± 0.2mm
T size	0.9 ± 0.1mm
Size code in inch (mm)	1212 (3030)

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	1500
K	φ330mm Embossed taping	6000

Mass (Typ.)	
1 piece	0.034g

Specifications

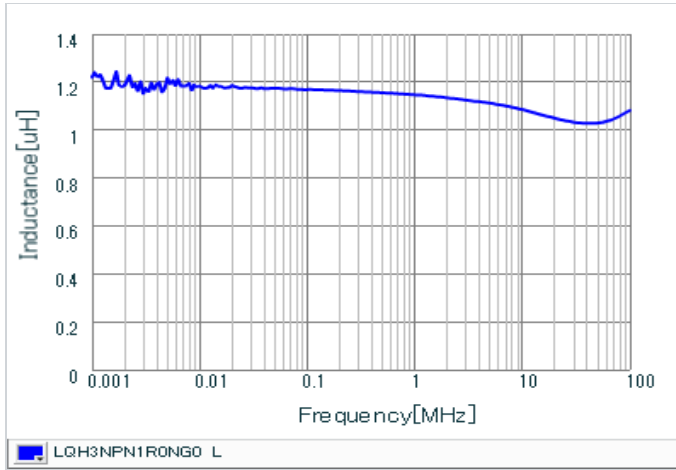
Inductance	1.0μH ±30%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	1650mA
Rated current (I _{temp}) (Based on Temperature rise)	1525mA
Max. of DC resistance	0.0960Ω
Avg. of DC resistance	0.08Ω ±20%
Self resonance frequency (min.)	160MHz
Operating temperature range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

Attention

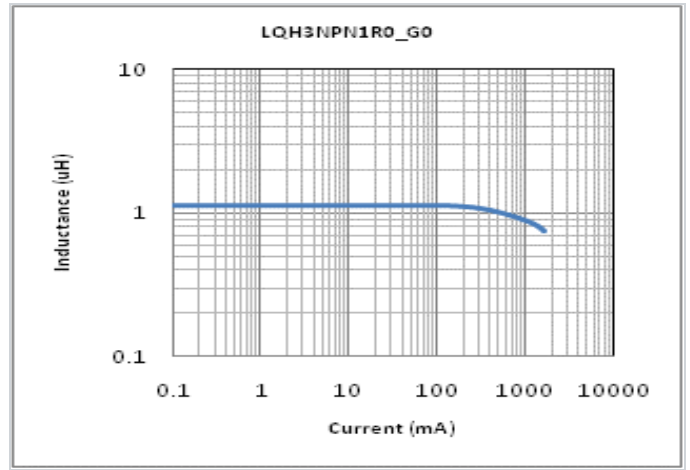
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

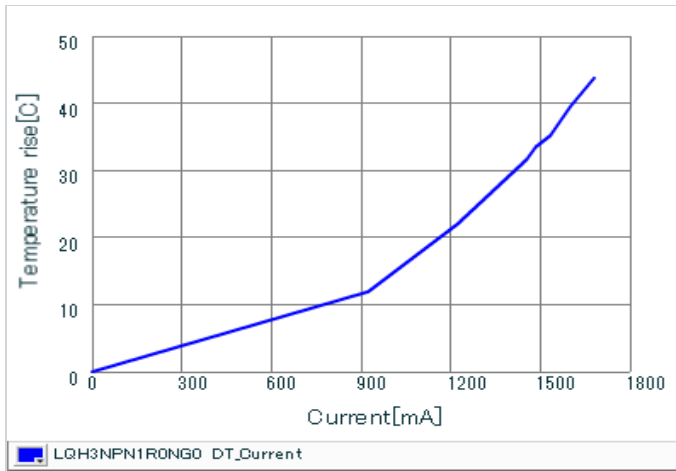
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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