

# LQH3NPN1R5NG0#

# 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 Apr 2018

< List of part numbers with package codes >  
 LQH3NPN1R5NG0L , LQH3NPN1R5NG0K

## 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 applied Rated current to the Products, Inductance will be within ±30% of nominal Inductance value.  
 When applied Rated current to the Products, 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

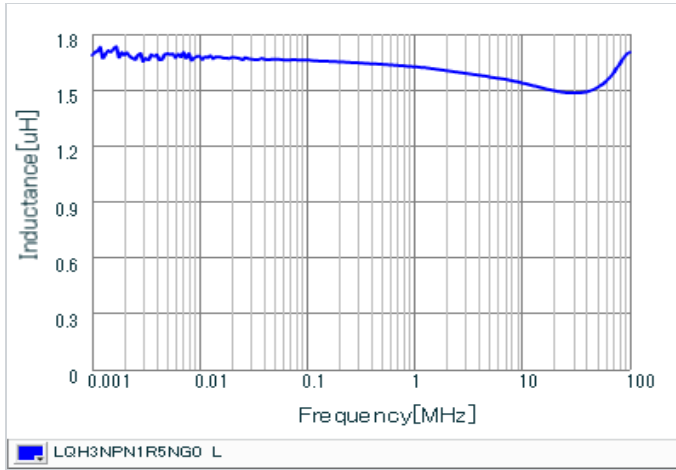
Inductance	1.5μH ±30%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1300mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1470mA
Max. of DC resistance	0.120Ω
Avg. of DC resistance	0.10Ω ±20%
Self resonance frequency (min.)	130MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

### Attention

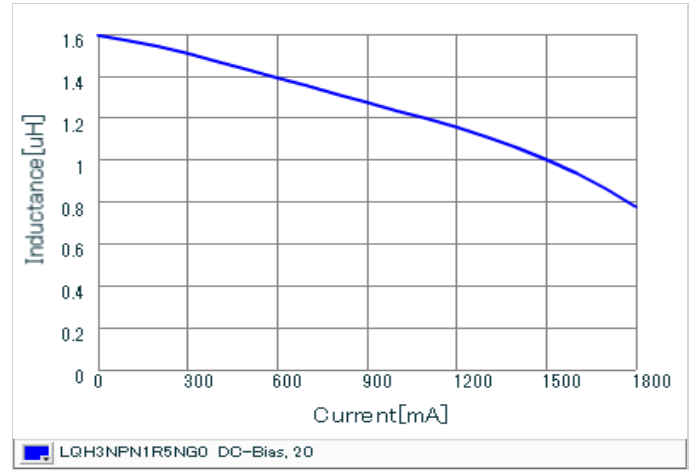
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

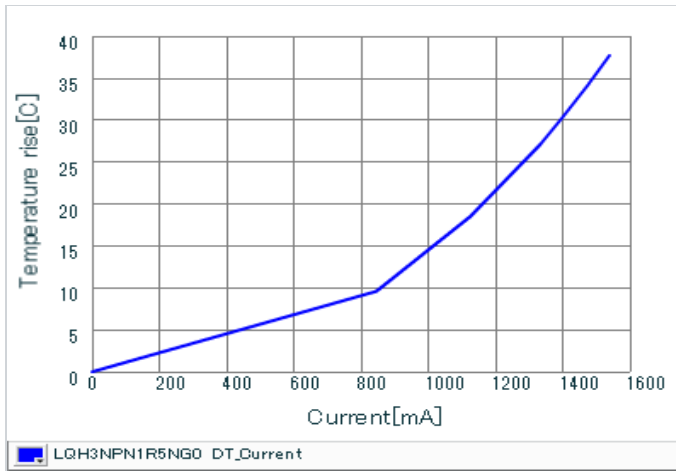
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



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