

# LQH3NPN470NG0#

"#" indicates a package specification code.



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

< List of part numbers with package codes >  
LQH3NPN470NG0L , LQH3NPN470NG0K

## 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  $\pm 30\%$  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	47μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	170mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	270mA
Max. of DC resistance	3.60Ω
Avg. of DC resistance	3.0Ω $\pm 20\%$
Self resonance frequency (min.)	19MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

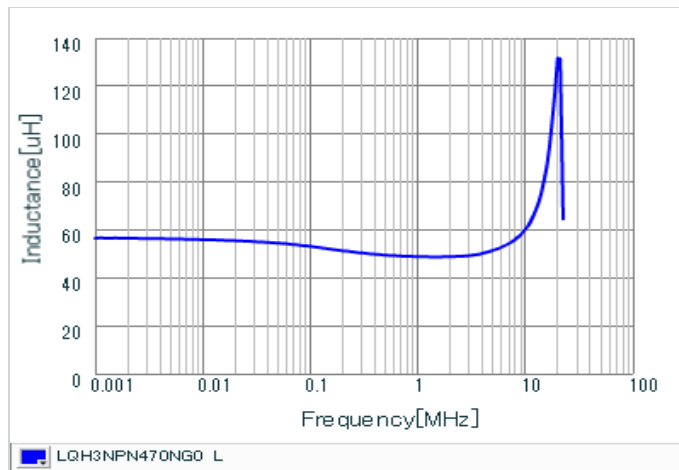
1 of 2

### Attention

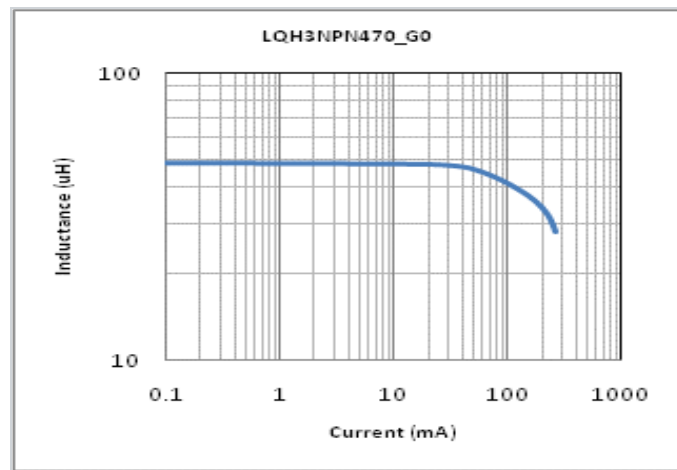
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# Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

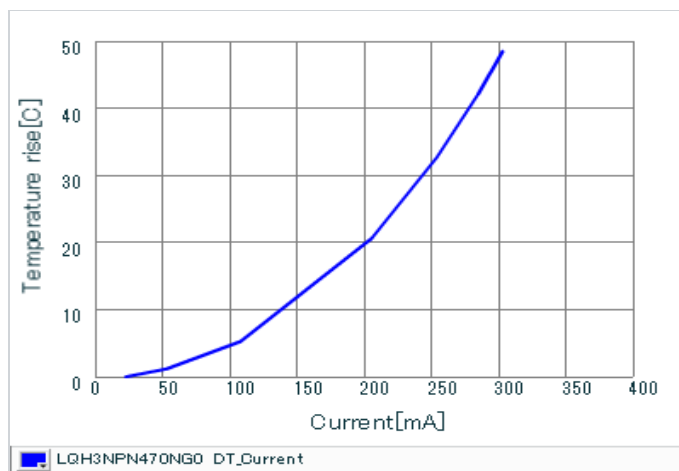
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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