

# LQH3NPN330NG0#

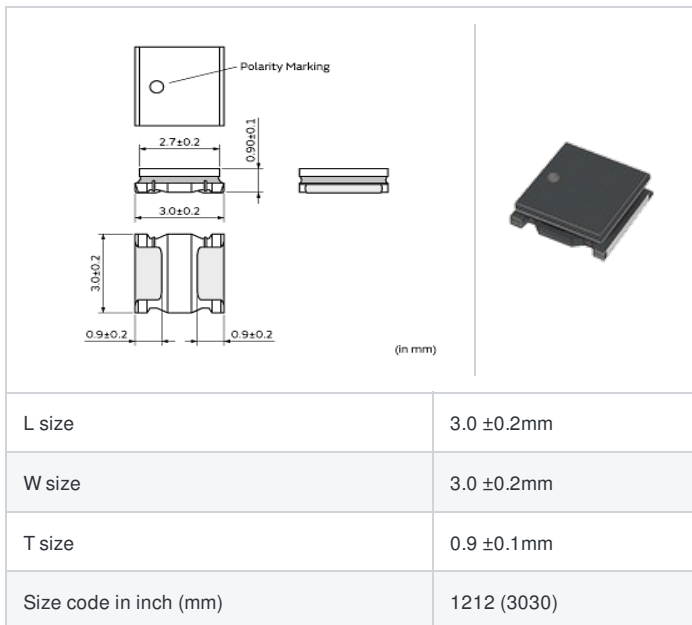
"#" indicates a package specification code.



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

< List of part numbers with package codes >  
LQH3NPN330NG0L , LQH3NPN330NG0K

## Shape



## 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	φ180mm Embossed taping	1500
K	φ330mm Embossed taping	6000

Mass (Typ.)	
1 piece	0.034g

## Specifications

Inductance	33μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	250mA
Rated current (Itemp) (Based on Temperature rise)	345mA
Max. of DC resistance	2.52Ω
Avg. of DC resistance	2.1Ω $\pm 20\%$
Self resonance frequency (min.)	24MHz
Operating temperature range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

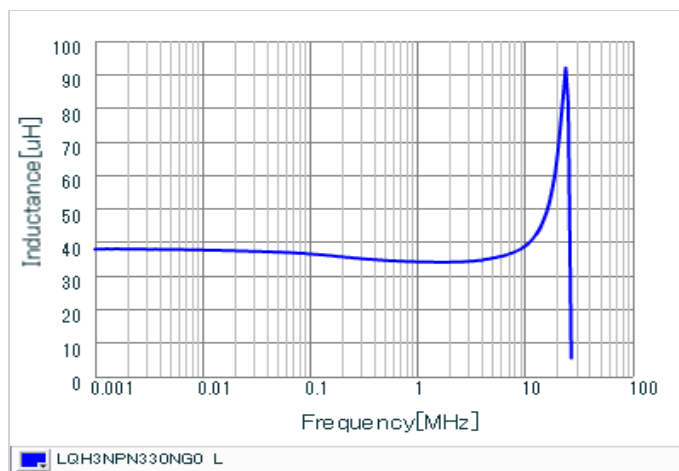
1 of 2

### Attention

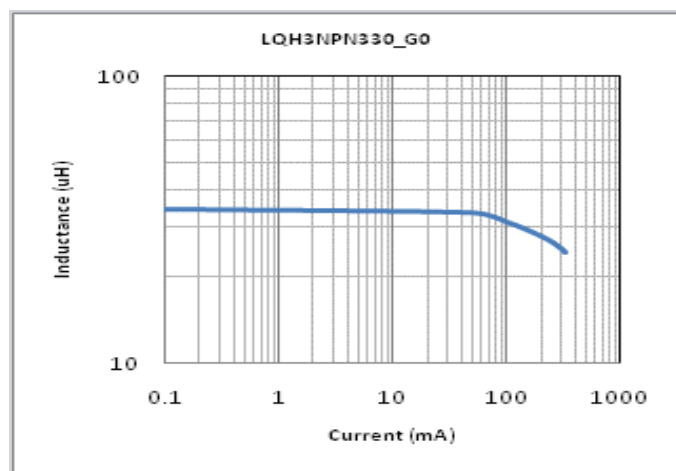
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  - 2.This datasheet has only typical specifications because there is no space for detailed specifications.
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

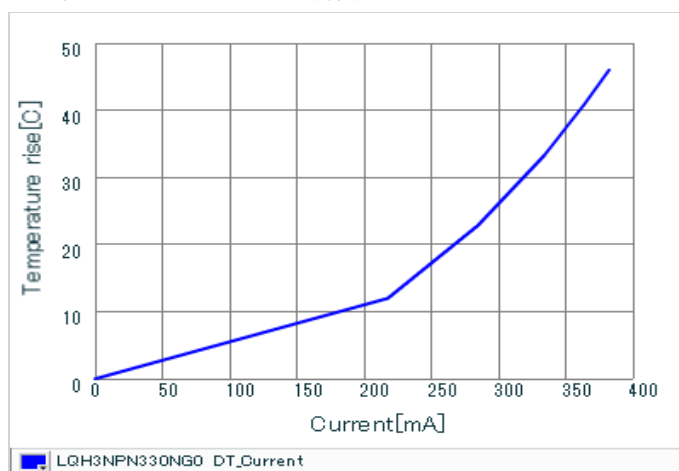
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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