

# LQH3NPN100MJ0#

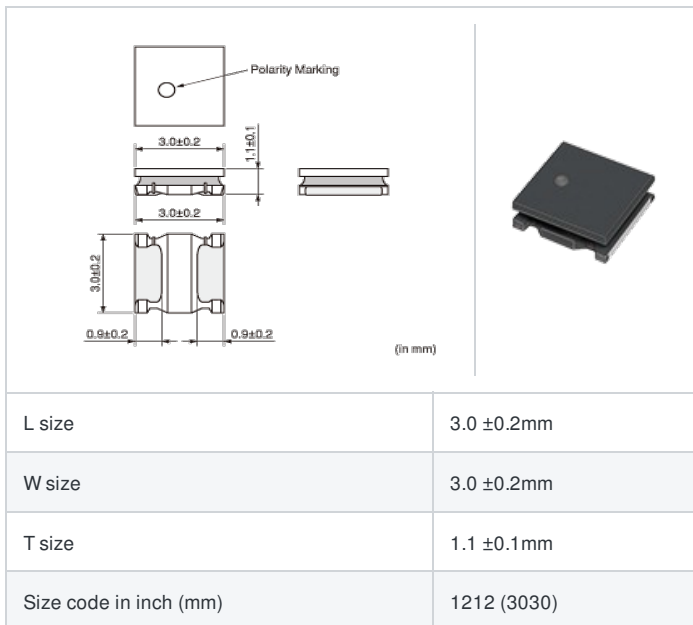
"#" indicates a package specification code.



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

< List of part numbers with package codes >  
LQH3NPN100MJ0L , LQH3NPN100MJ0K

## Shape



## 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	1000
K	φ330mm Embossed taping	5000

Mass (Typ.)	
1 piece	0.045g

## Specifications

Inductance	10μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	560mA
Rated current (Itemp) (Based on Temperature rise)	710mA
Max. of DC resistance	0.360Ω
Avg. of DC resistance	0.300Ω $\pm 20\%$
Self resonance frequency (min.)	35MHz
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	LQH3NPN_J0

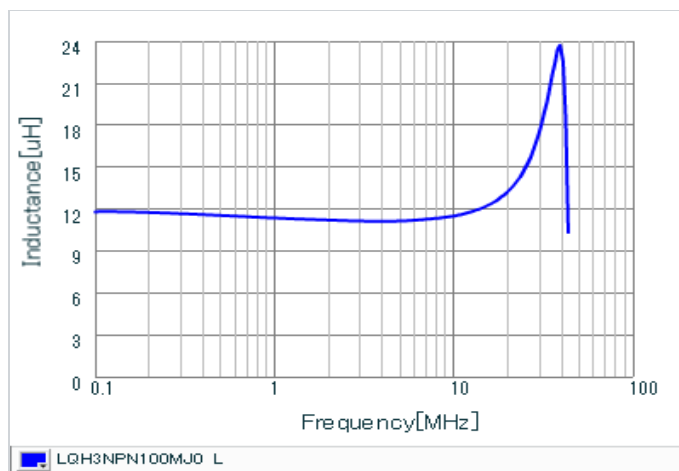
1 of 2

### Attention

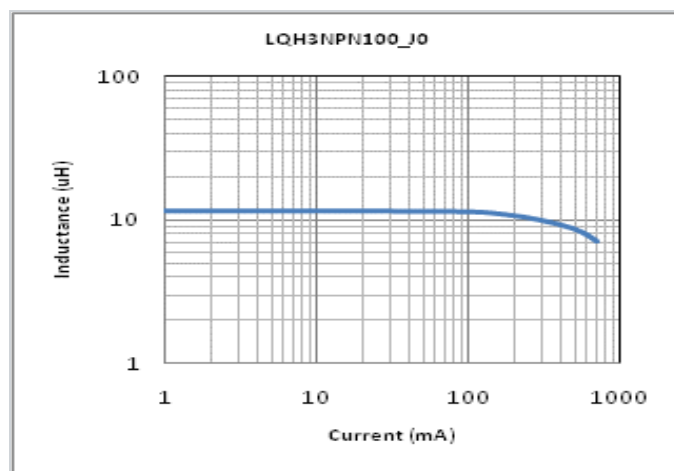
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

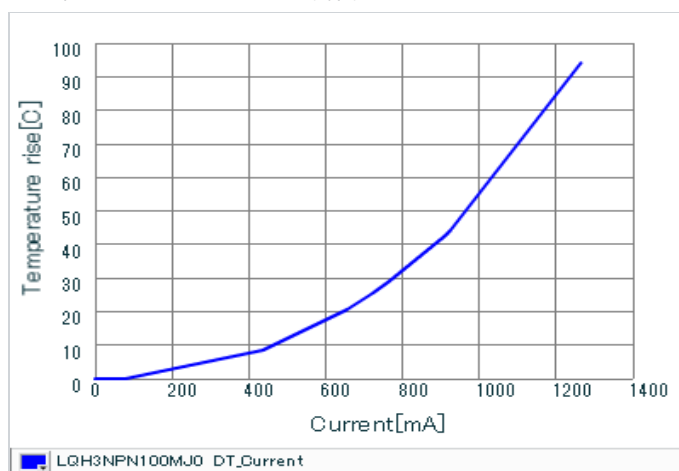
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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