

## LQH3NPN470NJ0#

"# indicates a package specification code.



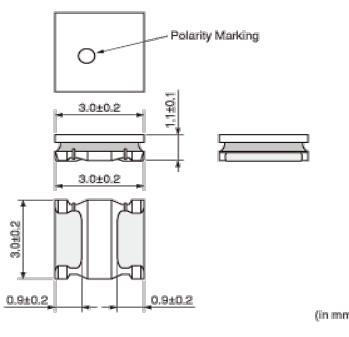
Last Time Buy Date: 31 Mar 2018

Date of discontinuation: 30 Sep 2018

&lt; List of part numbers with package codes &gt;

LQH3NPN470NJ0L, LQH3NPN470NJ0K

## Shape

 (in mm)	
L size	3.0 ±0.2mm
W size	3.0 ±0.2mm
T size	1.1 ±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	1000
K	ϕ330mm Embossed taping	5000

Mass (Typ.)	
1 piece	0.045g

## Specifications

Inductance	47µH ±30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	200mA
Rated current (Itemp) (Based on Temperature rise)	350mA
Max. of DC resistance	1.56Ω
Avg. of DC resistance	1.30Ω±20%
Self resonance frequency (min.)	15MHz
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

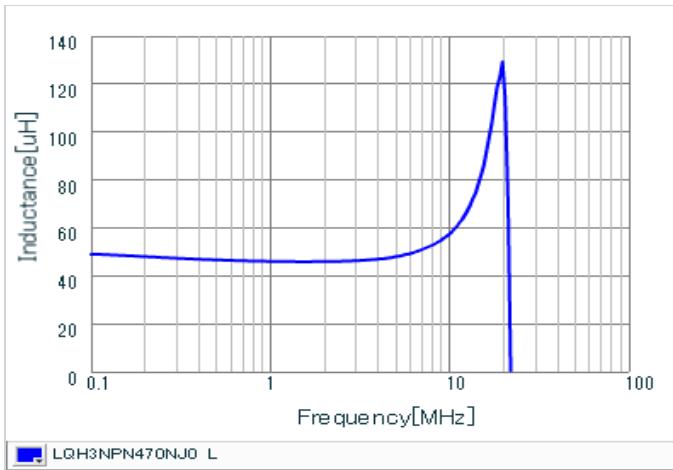
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2. This datasheet has only typical specifications because there is no space for detailed specifications.

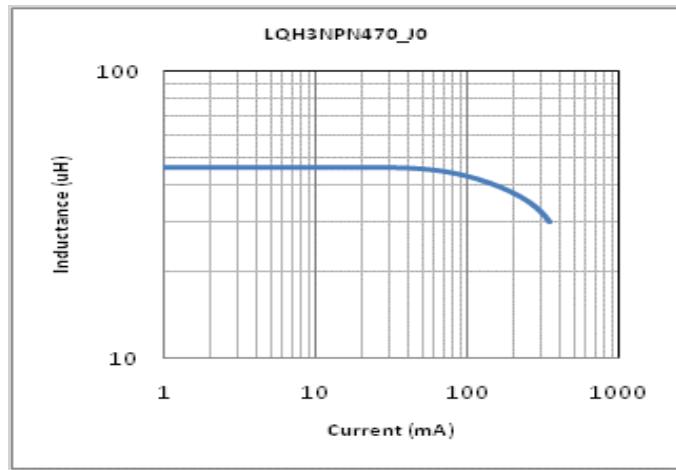
Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

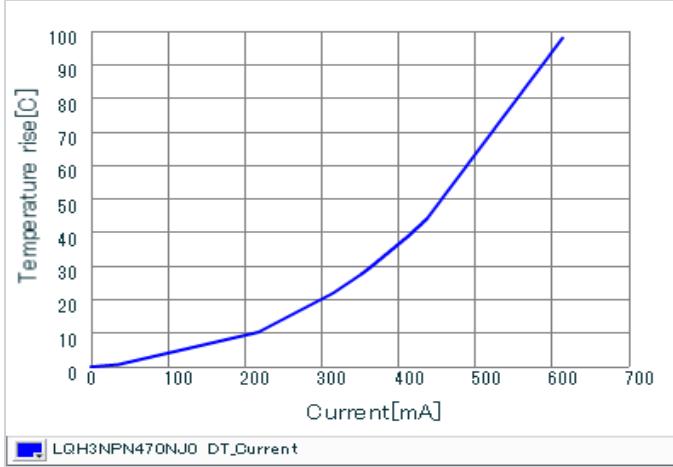
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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