

LQH3NPN6R8NG0#

"#" 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 >
LQH3NPN6R8NG0L , LQH3NPN6R8NG0K

Shape

<p>(in mm)</p>	
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	6.8μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	650mA
Rated current (Itemp) (Based on Temperature rise)	710mA
Max. of DC resistance	0.540Ω
Avg. of DC resistance	0.45Ω $\pm 20\%$
Self resonance frequency (min.)	48MHz
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPN_G0

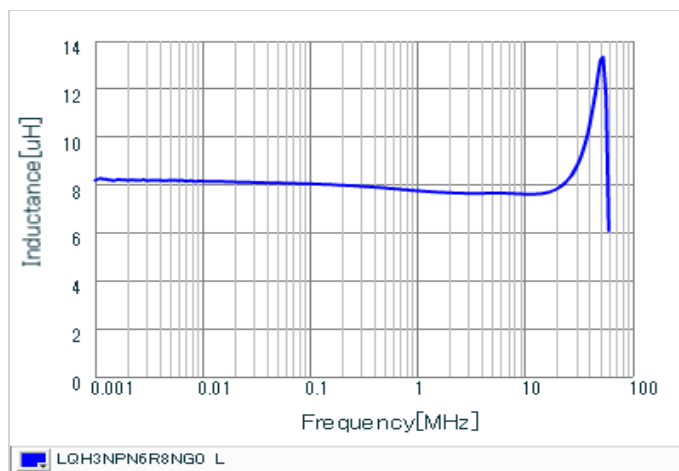
1 of 2

Attention

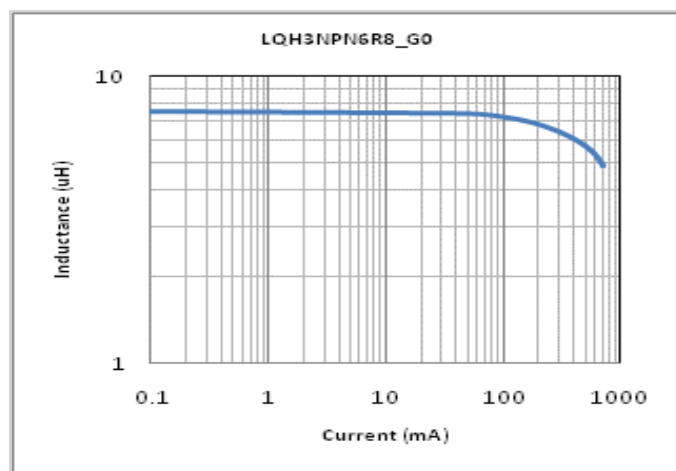
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

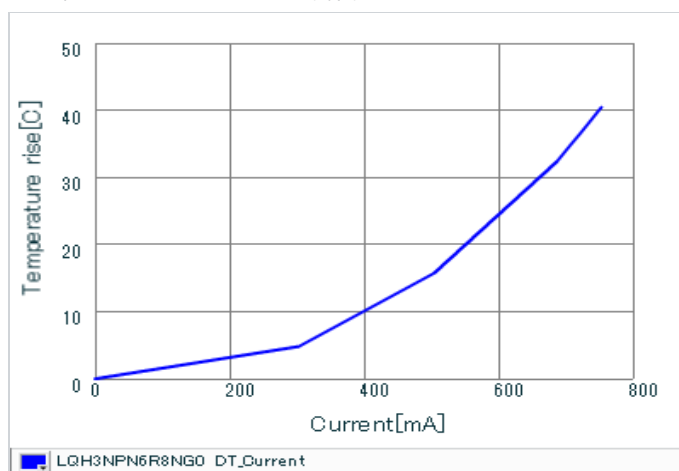
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



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