

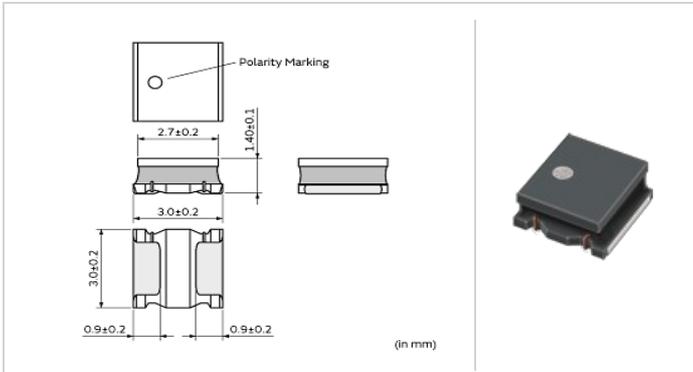
# LQH3NPN6R8NM0#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH3NPN6R8NM0L , LQH3NPN6R8NM0K

## Shape



L size	3.0 ±0.2mm
W size	3.0 ±0.2mm
T size	1.4 ±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	4000

Mass (Typ.)	
1 piece	0.051g

## Specifications

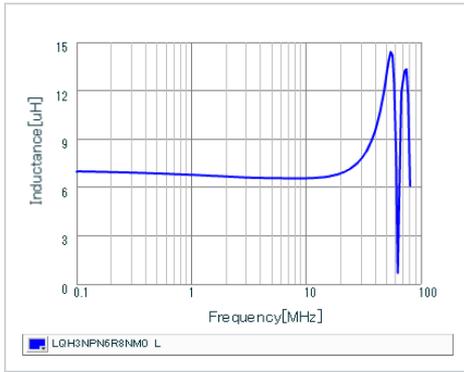
Inductance	6.8μH ±30%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	820mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1000mA
Max. of DC resistance	0.240Ω
Avg. of DC resistance	0.20Ω±20%
Self resonance frequency (min.)	50MHz
Operating 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_M0

### Attention

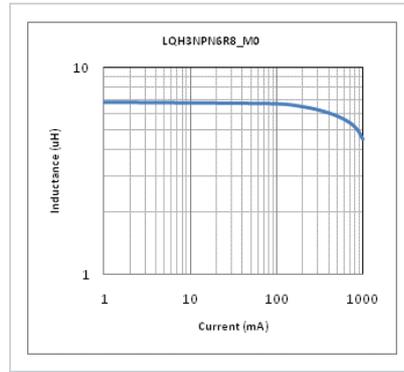
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

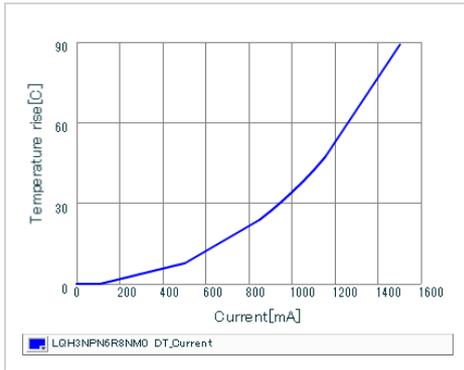
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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