

# LQH44PN2R2MP0#

"#" indicates a package specification code.

In Production **General** **85°C** Wound (Ferrite) Reflow OK **RoHS** **REACH**

< List of part numbers with package codes >  
LQH44PN2R2MP0L , LQH44PN2R2MP0K

## Shape

L size	4.0 ±0.2mm
W size	4.0 ±0.2mm
T size	1.65 ±0.15mm
Size code in inch (mm)	1515 (4040)

## Notes

When applied Rated current to the Products, Inductance will be within ±30% of initial Inductance value.  
When applied Rated current to the Products , self temperature rise 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	φ 180mm Embossed taping	1000
K	φ 330mm Embossed taping	3500

Mass (Typ.)	
1 piece	0.10g

## Specifications

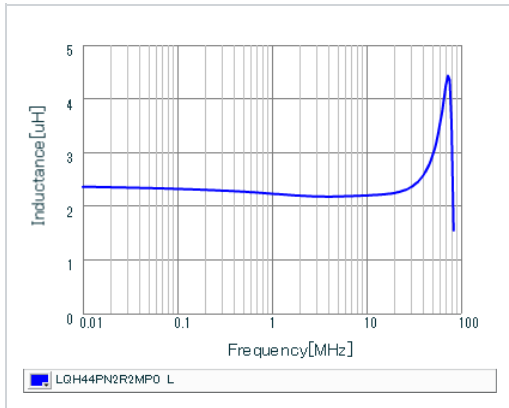
Inductance	2.2μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2500mA
Rated current (Itemp) (Based on Temperature rise)	1800mA
Max. of DC resistance	0.0588Ω
Avg. of DC resistance	0.049Ω±20%
Self resonance frequency (min.)	70MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic shield of magnetic powder in resin

### ⚠ Attention

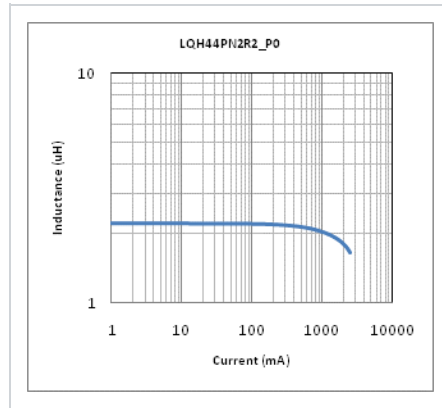
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

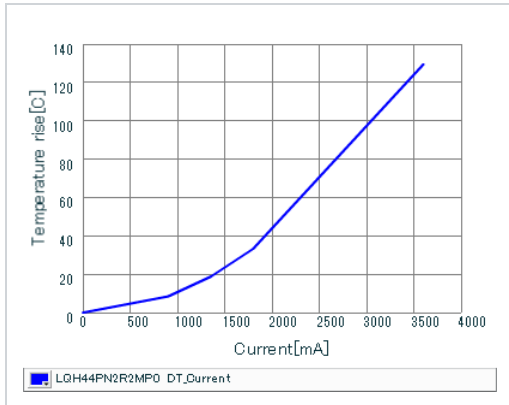
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



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