

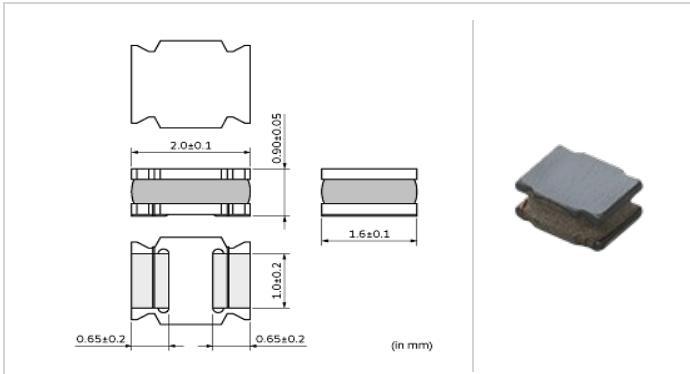
# LQH2MPZR47NGR#

\*# indicates a package specification code.



< List of part numbers with package codes >  
LQH2MPZR47NGRL

## Shape



L size	2.0 ±0.1mm
W size	1.6 ±0.1mm
T size	0.9 ±0.05mm
Size code in inch (mm)	0806 (2016)

## Notes

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range.  
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.  
When rated current is applied to the products, the self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C).  
When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85°C to 105°C).

## References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.010g

## Specifications

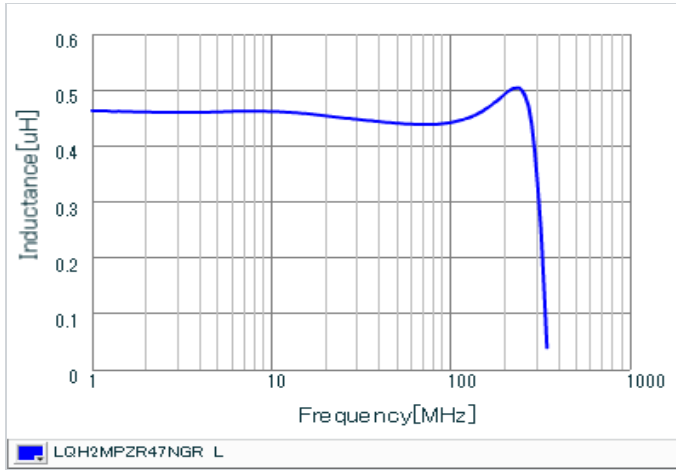
Inductance	0.47μH ±30%
Inductance test frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	1950mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	1060mA(Ambient temp.85°C) 630mA(Ambient temp.105°C)
Max. of DC resistance	0.216Ω
Avg. of DC resistance	0.18Ω±20%
Self resonance frequency (min.)	120MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Ferrite Core
Series	LQH2MPZ_GR

### Attention

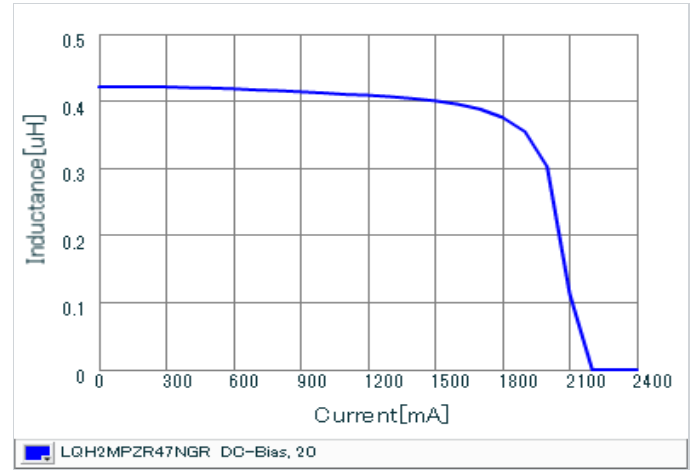
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

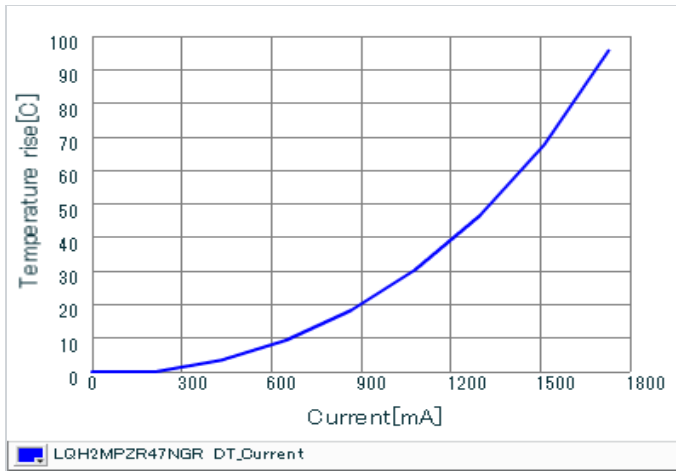
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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