

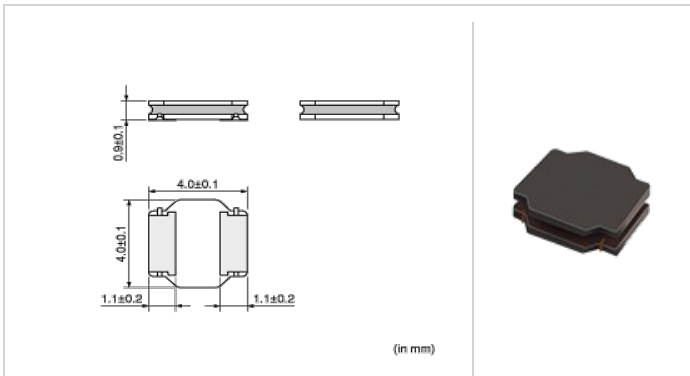
# LQH44PZ2R2NGR#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH44PZ2R2NGRL , LQH44PZ2R2NGRK

## Shape



L size	4.0 ±0.1mm
W size	4.0 ±0.1mm
T size	0.9 ±0.1mm
Size code in inch (mm)	1515 (4040)

## Notes

When applied Rated current 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 applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40°C Max (Ambient temperature 85°C).  
When applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 20°C max (Ambient temperature 85-105°C).

## References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	1000
K	φ 330mm Embossed taping	4500

Mass (Typ.)	
1 piece	0.059g

## Specifications

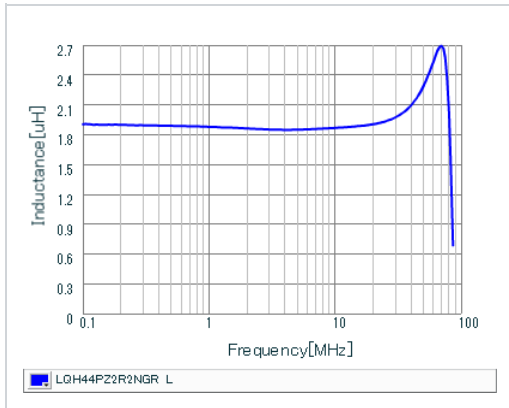
Inductance	2.2μH ±30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1.6A
Rated current (Itemp) (Based on Temperature rise)	2.0A(Ambient temp.85°C) 1.2A(Ambient temp.105°C)
Max. of DC resistance	0.0888Ω
Avg. of DC resistance	0.074Ω±20%
Self resonance frequency (min.)	45MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~105°C
Class of magnetic shield	Magnetic Resin

**Attention**

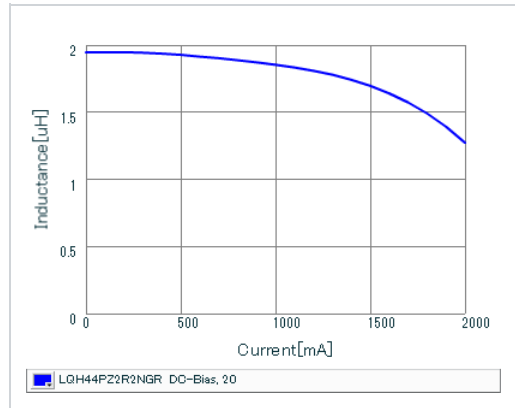
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

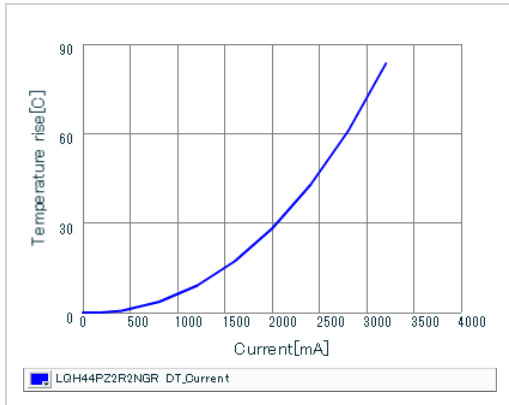
▫ Inductance-Frequency characteristics (Typ.)



▫ Inductance-Current characteristics (Typ.)



▫ Temperature rise characteristics (Typ.)



**⚠ Attention**

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