

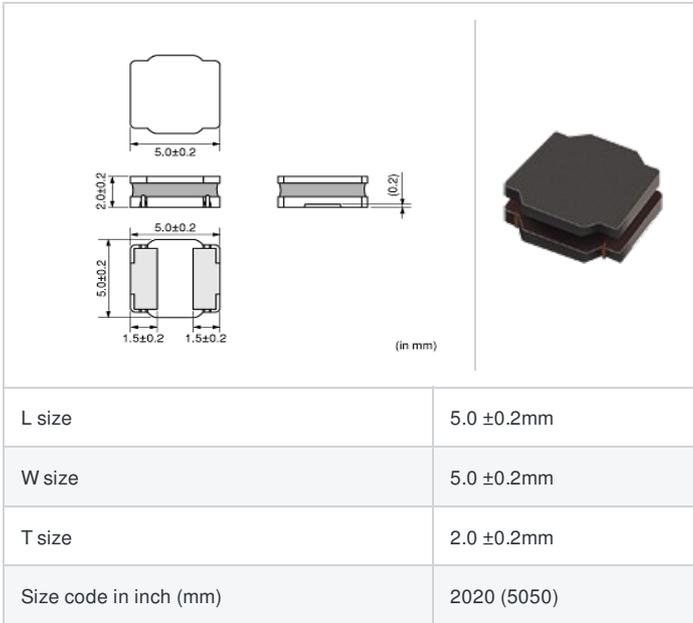
# LQH5BPN1R2NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPN1R2NT0L , LQH5BPN1R2NT0K

## Shape



## Notes

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value.  
When rated current is applied to the products, the 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	φ 180mm Embossed taping	500
K	φ 330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

## Specifications

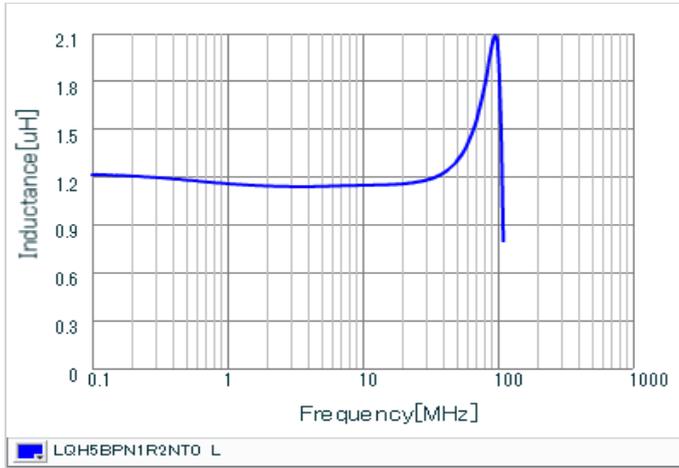
Inductance	1.2μH ±30%
Inductance test frequency	100kHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	5.4A
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	3.1A
Max. of DC resistance	0.0228Ω
Avg. of DC resistance	0.019Ω ±20%
Self resonance frequency (min.)	90MHz
Operating temperature range (Self-temperature rise is included)	-40°C to 125°C
Operating temperature range (Self-temperature rise is not included)	-40°C to 85°C
Class of magnetic shield	Magnetic Resin
Series	LQH5BPN_T0

### Attention

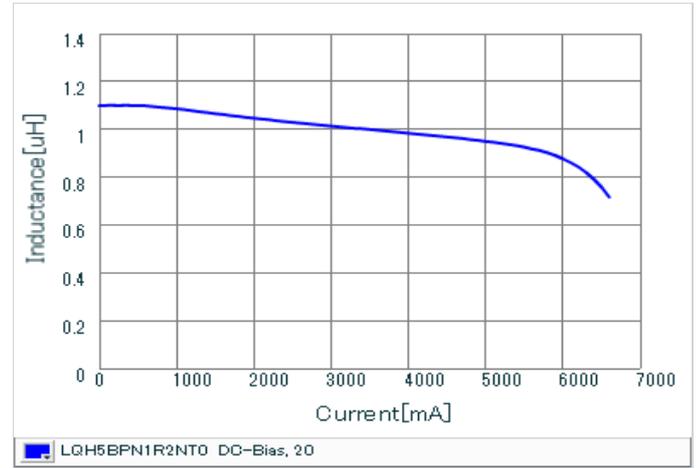
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

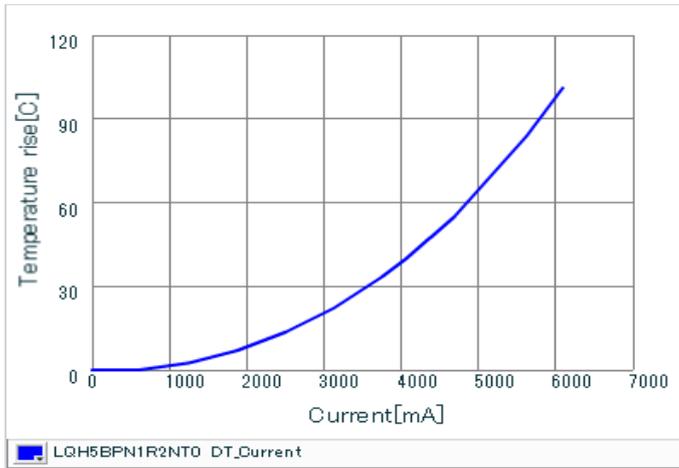
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



**⚠ Attention**

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