

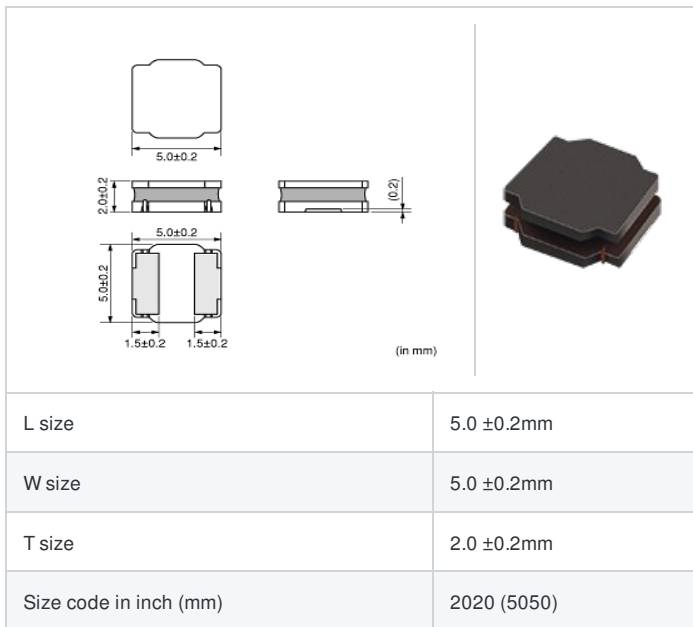
# LQH5BPN1R0NT0#

# indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPN1R0NT0L , LQH5BPN1R0NT0K

## 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	φ180mm Embossed taping	500
K	φ330mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.22g

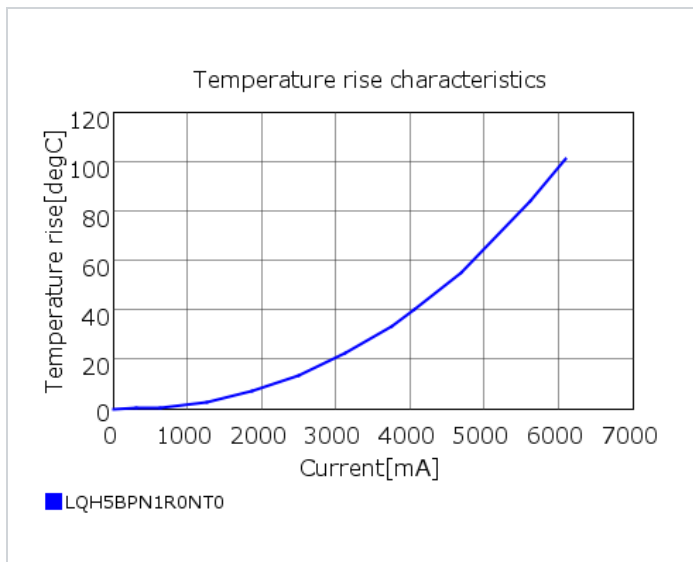
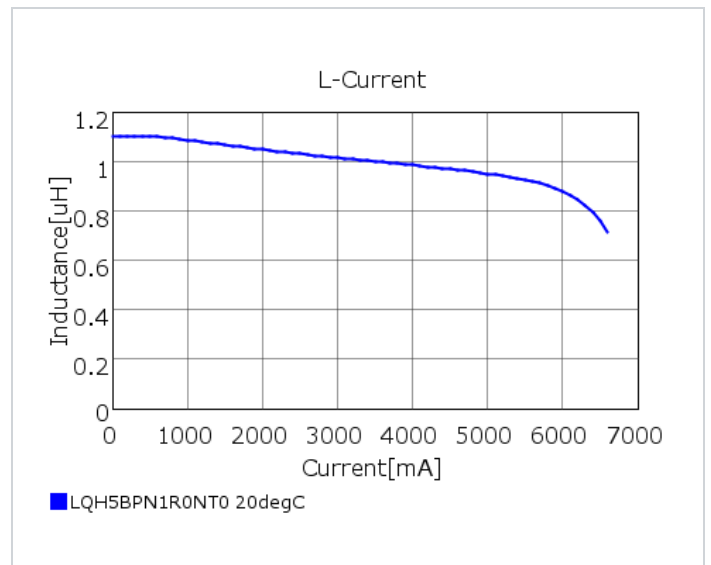
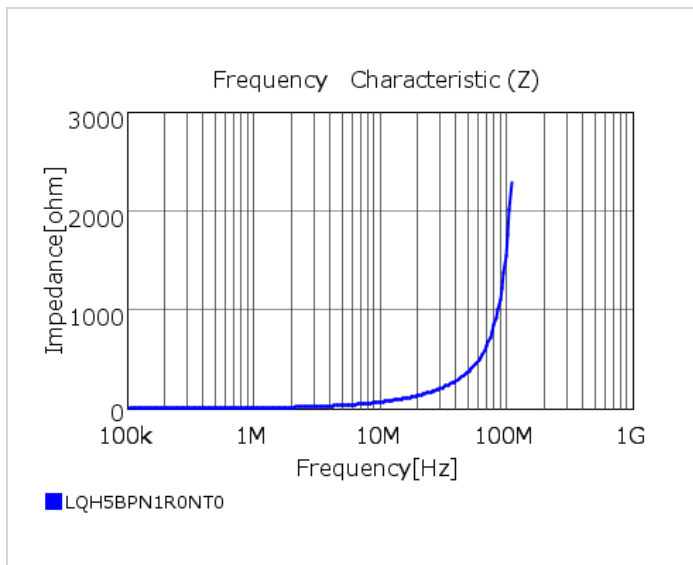
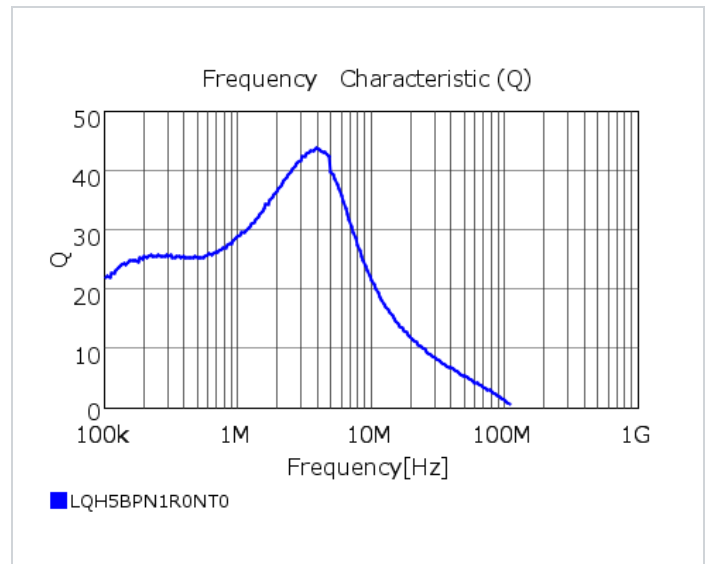
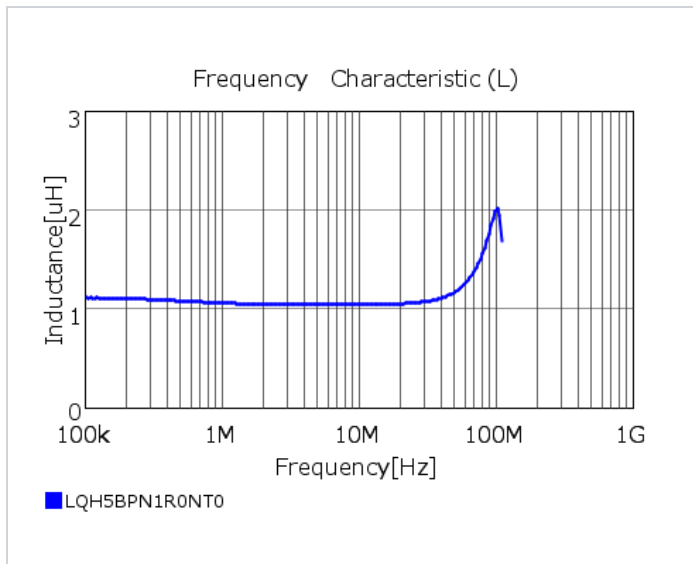
## Specifications

Inductance	1.0μH ±30%
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5.8A
Rated current (Itemp) (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

1 of 2

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