

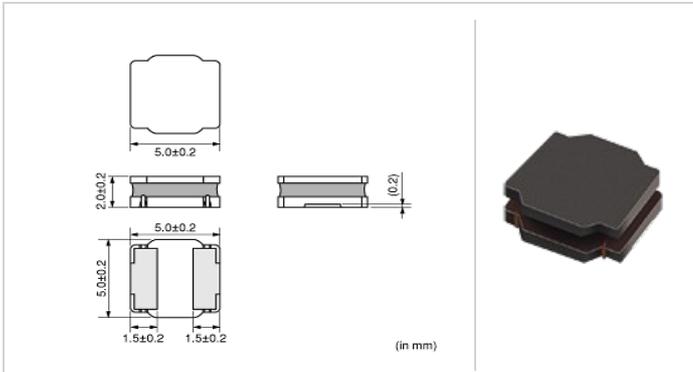
LQH5BPN3R3NT0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH5BPN3R3NT0L , LQH5BPN3R3NT0K

Shape



L size	5.0 ±0.2mm
W size	5.0 ±0.2mm
T size	2.0 ±0.2mm
Size code in inch (mm)	2020 (5050)

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

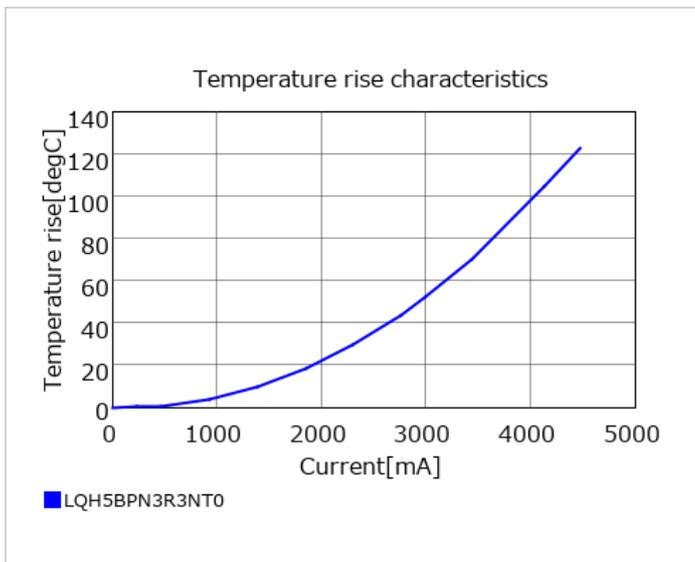
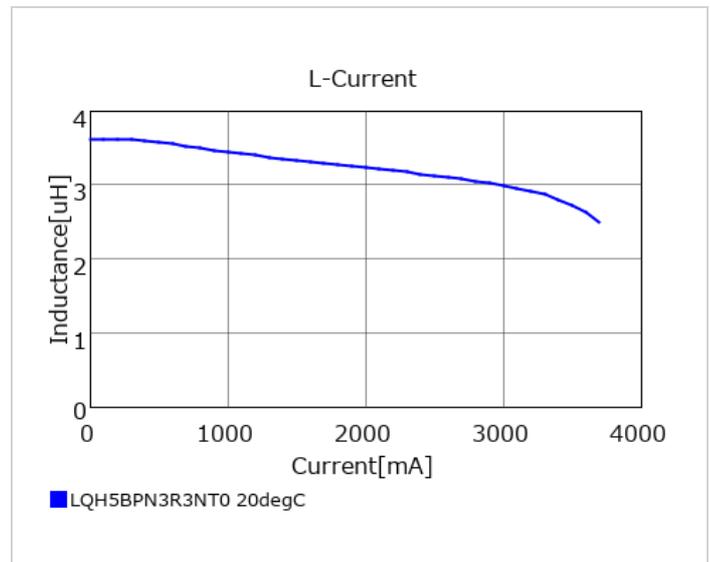
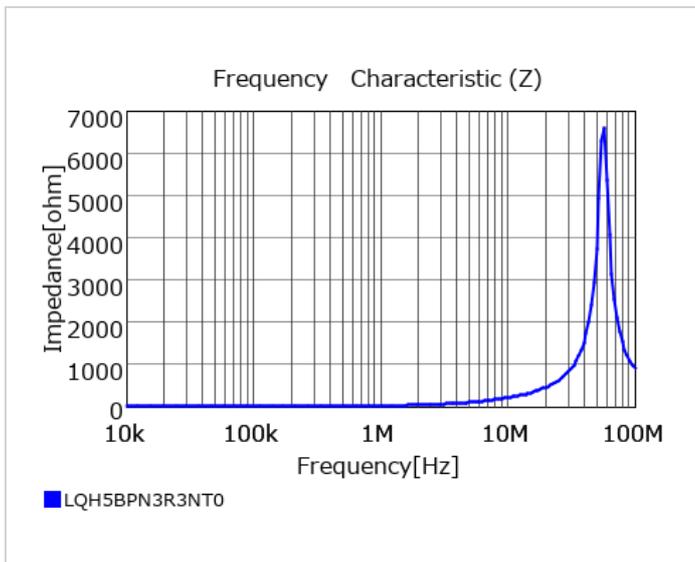
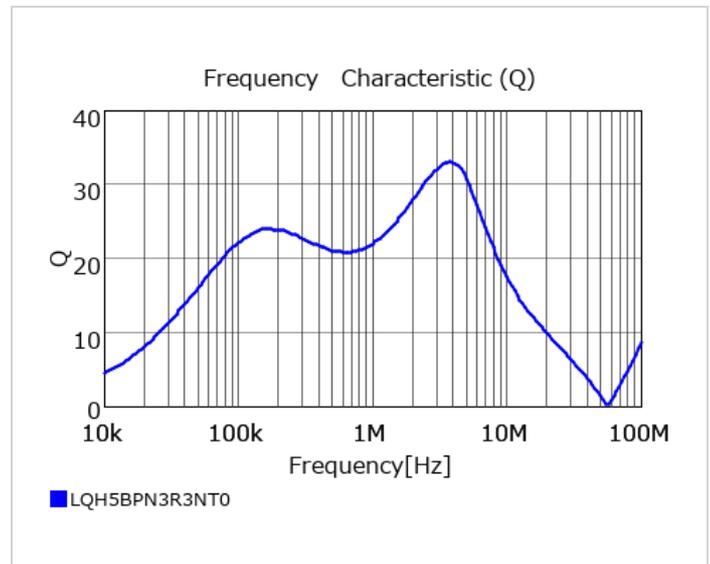
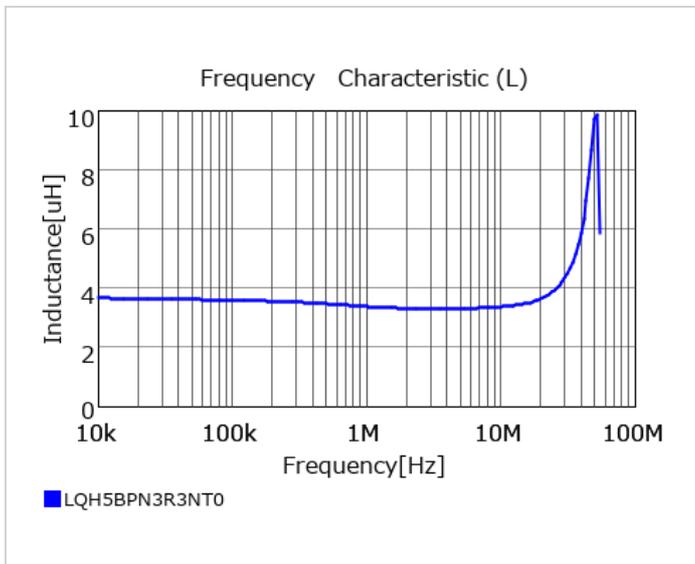
Mass (Typ.)	
1 piece	0.22g

Specifications

Inductance	3.3μH ±30%
Inductance test frequency	100kHz
Rated current (I _{sat}) (Based on Inductance change)	3.5A
Rated current (I _{temp}) (Based on Temperature rise)	2.3A
Max. of DC resistance	0.0528Ω
Avg. of DC resistance	0.044Ω±20%
Self resonance frequency (min.)	40MHz
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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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



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