

LQH44PN1R0NP0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH44PN1R0NP0L , LQH44PN1R0NP0K

Shape

L size	4.0 ±0.2mm
W size	4.0 ±0.2mm
T size	1.65 ±0.15mm
Size code in inch (mm)	1515 (4040)

Notes

When rated current is applied to the products, inductance will be within $\pm 30\%$ 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	1000
K	φ330mm Embossed taping	3500

Mass (Typ.)	
1 piece	0.10g

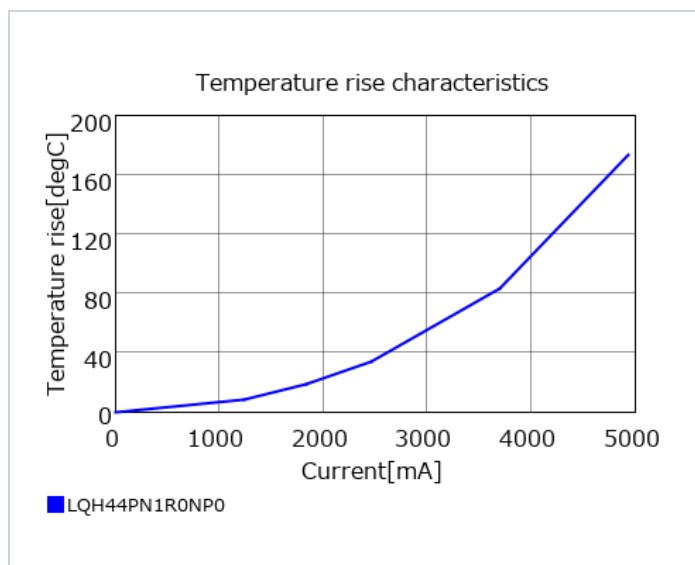
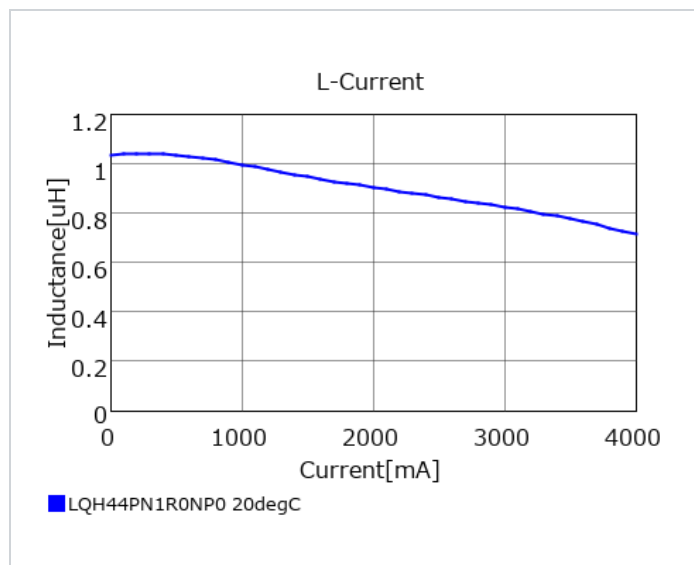
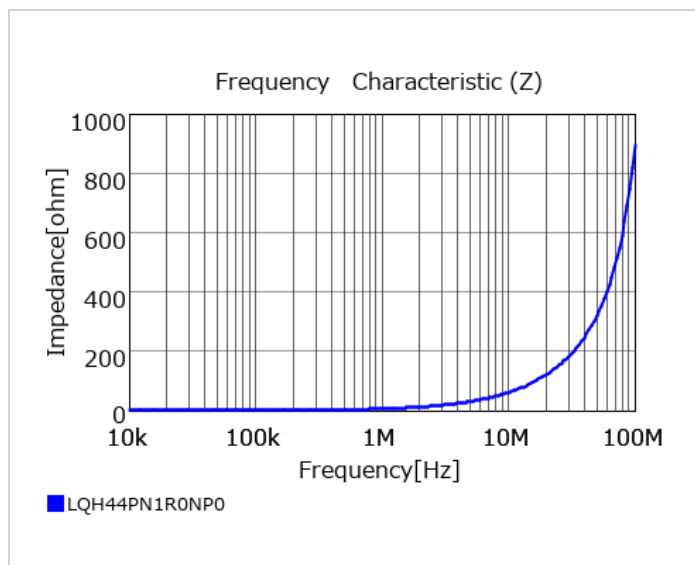
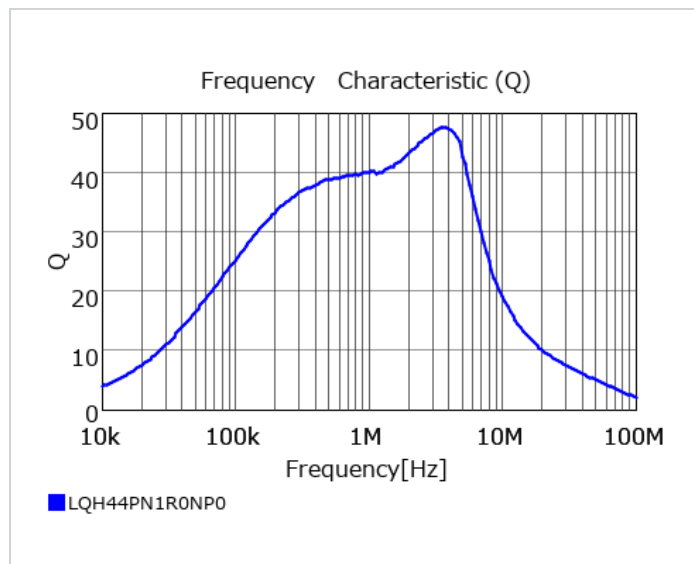
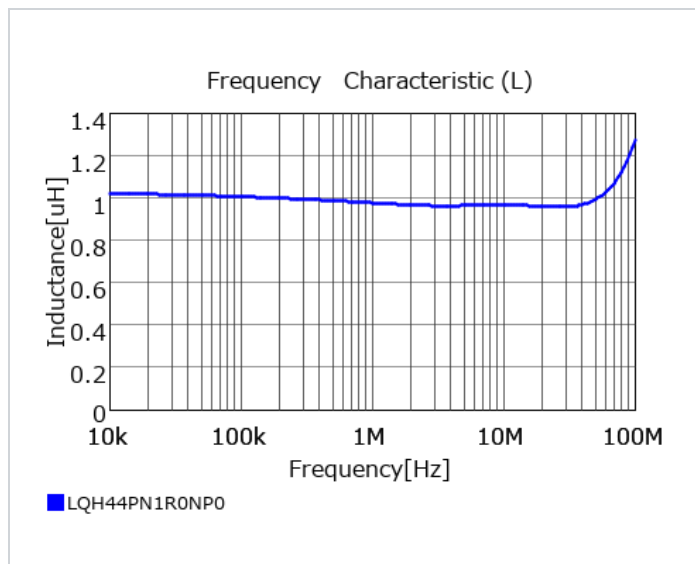
Specifications

Inductance	1.0μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2950mA
Rated current (Itemp) (Based on Temperature rise)	2450mA
Max. of DC resistance	0.0360Ω
Avg. of DC resistance	0.030Ω $\pm 20\%$
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	LQH44PN_P0

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