

muRata Inductor Data Sheet

LQH44PN1R0NJ0#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH44PN1R0NJ0L , LQH44PN1R0NJ0K

Shape

(in mm)

L size	4.0 ±0.2mm
W size	4.0 ±0.2mm
T size	1.1 ±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.
When applied Rated current to the Products , self temperature rise 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	1000
K	φ 330mm Embossed taping	4500

Mass (Typ.)	
1 piece	0.070g

Specifications

Inductance	1.0μH ±30%
Inductance test frequency	100KHz
Rated current (Isat) (Based on Inductance change)	2000mA
Rated current (Itemp) (Based on Temperature rise)	1530mA
Max. of DC resistance	0.0576Ω
Avg. of DC resistance	0.048Ω±20%
Self resonance frequency (min.)	130MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~85°C
Class of magnetic shield	Magnetic shield of magnetic powder in resin

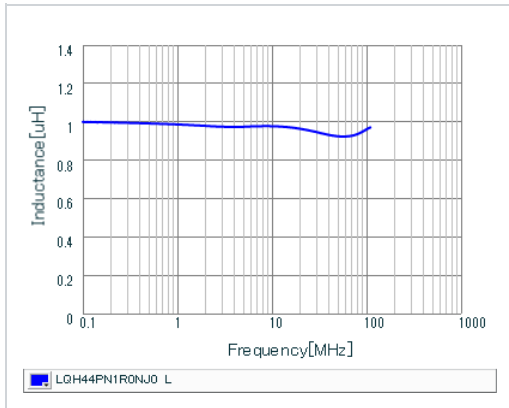
1 of 2

⚠ Attention

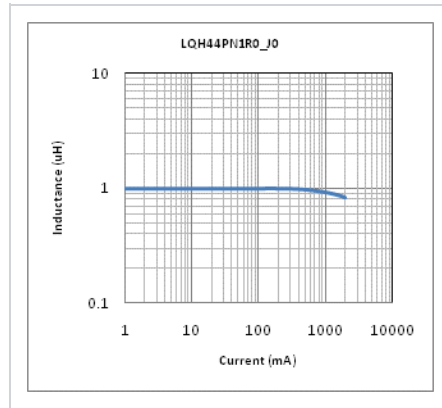
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

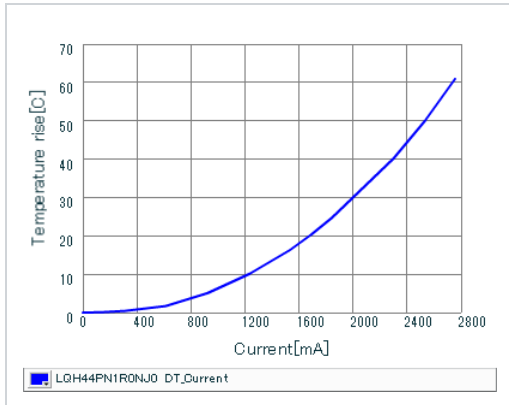
▫ Inductance-Frequency characteristics (Typ.)



▫ Inductance-Current characteristics (Typ.)



▫ Temperature rise characteristics (Typ.)



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