

muRata Inductor Data Sheet

LQH2HPN1R5NJRL#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH2HPN1R5NJRL

Shape

L size	2.5 ±0.2mm
W size	2.0 ±0.2mm
T size	1.1 ±0.1mm
Size code in inch (mm)	1008 (2520)

Notes

When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of initial inductance value range.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.
When applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 40°C max. (Ambient temperature 85°C).
When applied rated current to the Products, temperature rise caused by self-generated heat shall be limited to 20°C max. (Ambient temperature 85-105°C).

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	2000

Mass (Typ.)	
1 piece	0.023g

Specifications

Inductance	1.5μH $\pm 30\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	2200mA
Rated current (Itemp) (Based on Temperature rise)	1810mA(Ambient temp.85°C) 1080mA(Ambient temp.105°C)
Max. of DC resistance	0.09Ω
Avg. of DC resistance	0.075Ω $\pm 20\%$
Self resonance frequency (min.)	95MHz
Operating temperature range (Self-temperature rise is included)	-40~125°C
Operating temperature range (Self-temperature rise is not included)	-40~105°C
Class of magnetic shield	Magnetic Resin

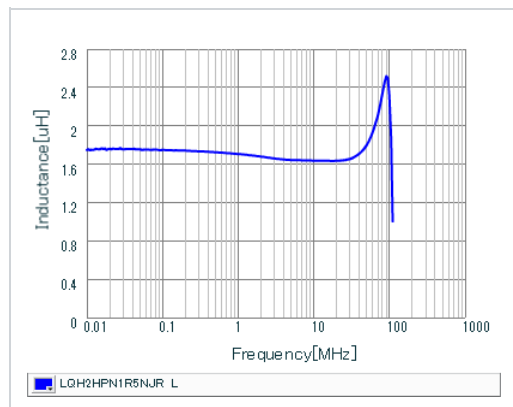
1 of 2

Attention

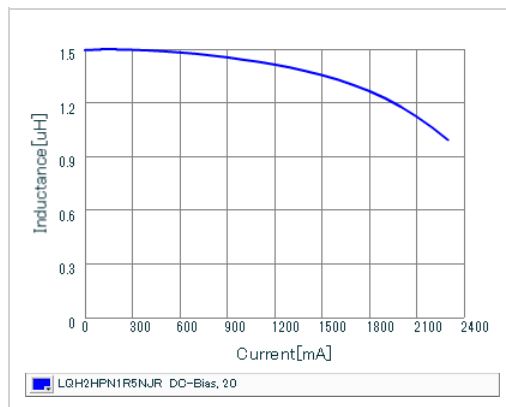
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

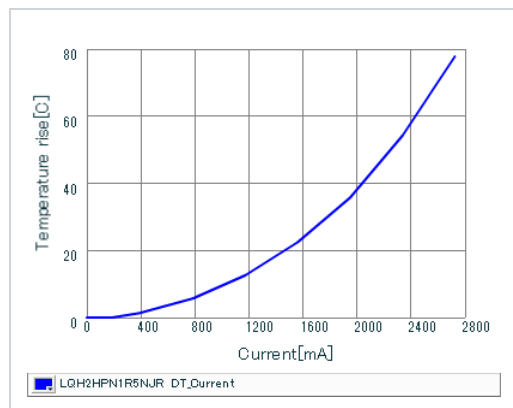
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



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