

muRata Inductor Data Sheet

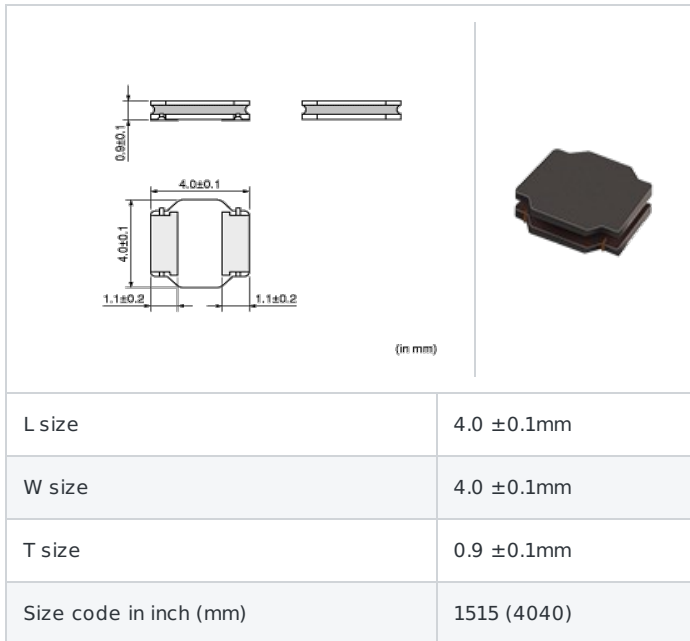
LQH44PN150MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH44PN150MGRL , LQH44PN150MGRK

Shape



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	1000
K	φ 330mm Embossed taping	4500

Mass (Typ.)	
1 piece	0.059g

Specifications

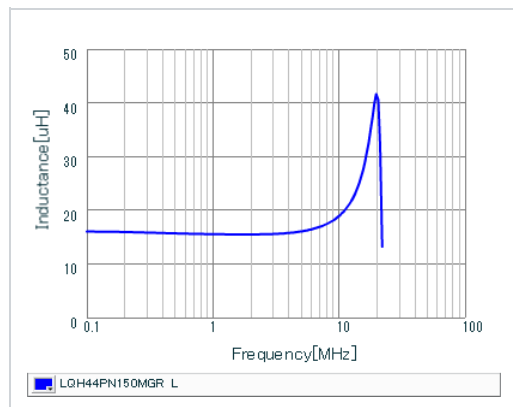
Inductance	15μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	640mA
Rated current (Itemp) (Based on Temperature rise)	900mA (Ambient temp. 85°C) 540mA (Ambient temp. 105°C)
Max. of DC resistance	0.504Ω
Avg. of DC resistance	0.42Ω $\pm 20\%$
Self resonance frequency (min.)	10MHz
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

Attention

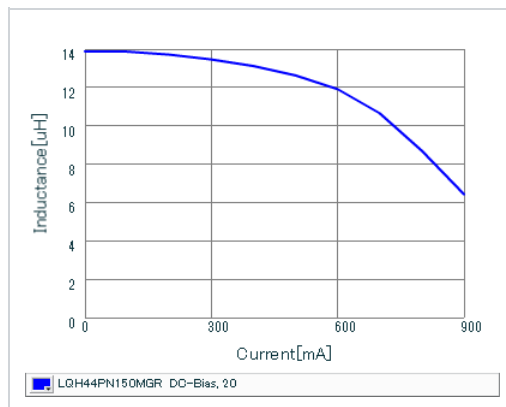
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

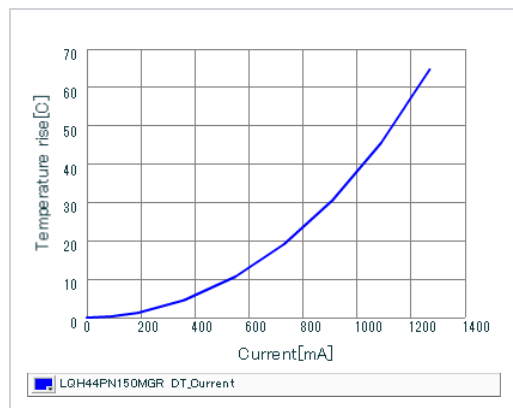
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



⚠ Attention

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