

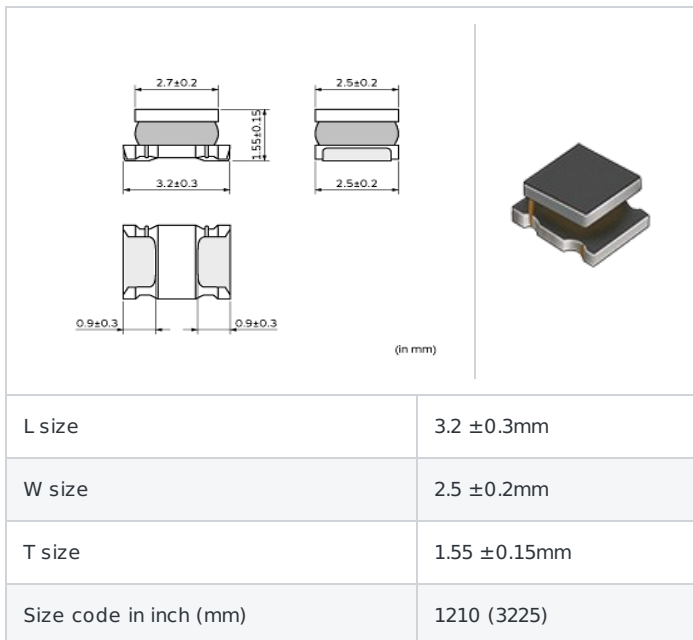
muRata Inductor Data Sheet LQH32PNR47NNC#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH32PNR47NNCL , LQH32PNR47NNCK

Shape



Notes

When applied Rated current to the Products, Inductance will be within $\pm 30\%$ of nominal Inductance value.
When applied Rated current to the Products, 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	φ 180mm Embossed taping	2000
K	φ 330mm Embossed taping	7500

Mass (Typ.)	
1 piece	0.044g

Specifications

Inductance	0.47μH ±30%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	4400mA
Rated current (Itemp) (Based on Temperature rise)	2900mA
Max. of DC resistance	0.0288Ω
Avg. of DC resistance	0.024Ω±20%
Self resonance frequency (min.)	100MHz
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

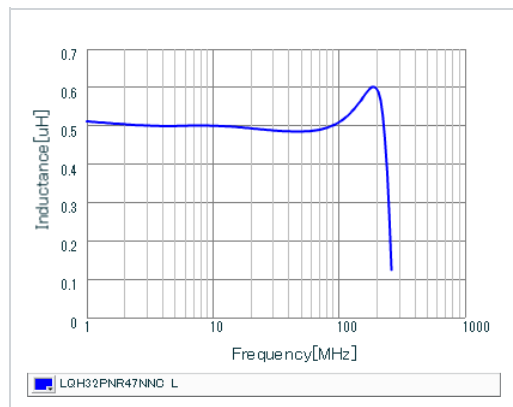
1 of 2

Attention

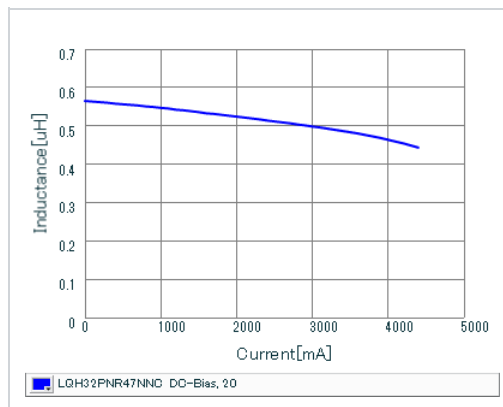
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

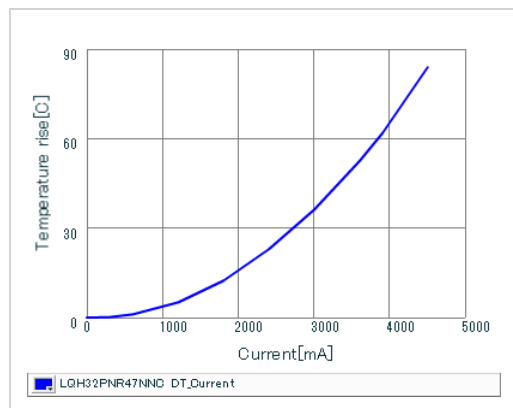
" Inductance-Frequency characteristics (Typ.)



" Inductance-Current characteristics (Typ.)



" Temperature rise characteristics (Typ.)



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