

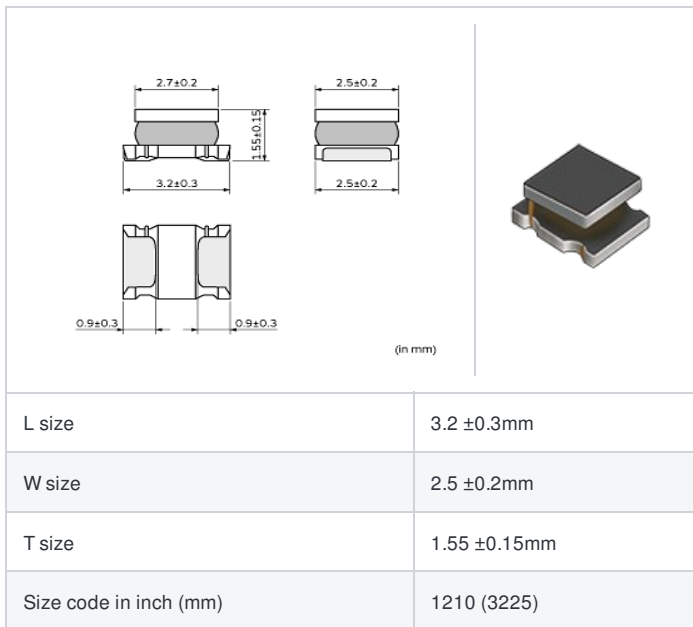
LQH32PN100MNC#

indicates a package specification code.



< List of part numbers with package codes >
LQH32PN100MNCL , LQH32PN100MNCK

Shape



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	2000
K	φ330mm Embossed taping	7500

Mass (Typ.)	
1 piece	0.044g

Specifications

Inductance	10μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	1000mA
Rated current (I _{temp}) (Based on Temperature rise)	900mA
Max. of DC resistance	0.354Ω
Avg. of DC resistance	0.295Ω $\pm 20\%$
Self resonance frequency (min.)	30MHz
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	LQH32PN_NC

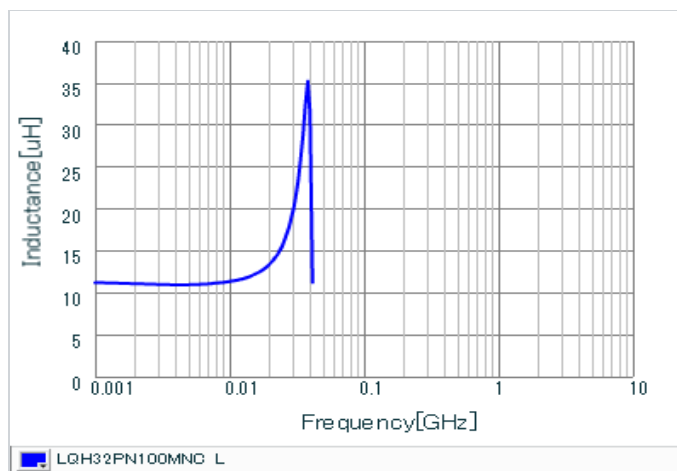
1 of 2

Attention

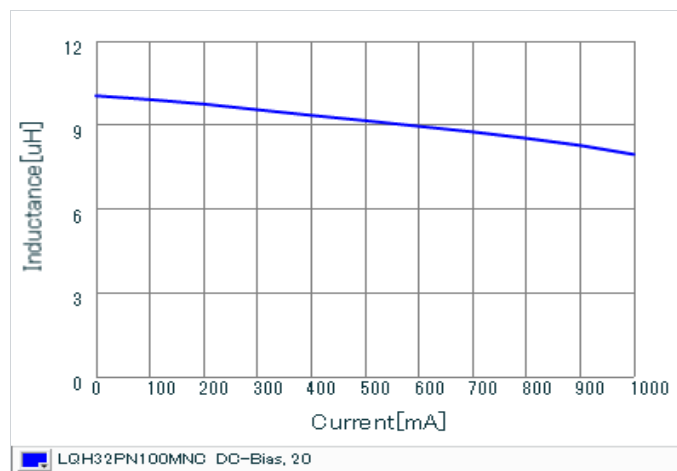
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

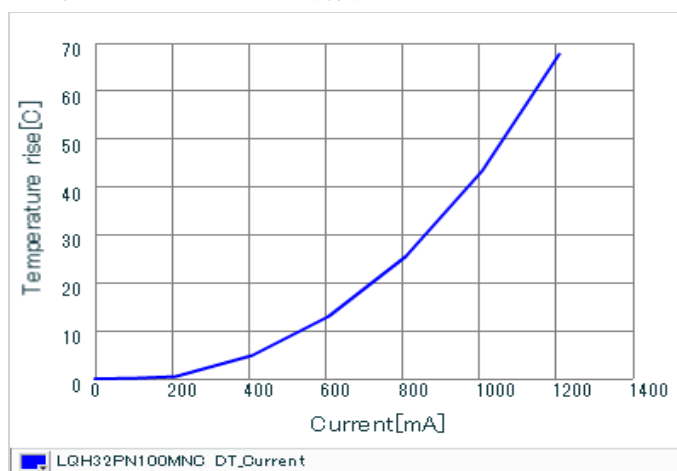
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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