

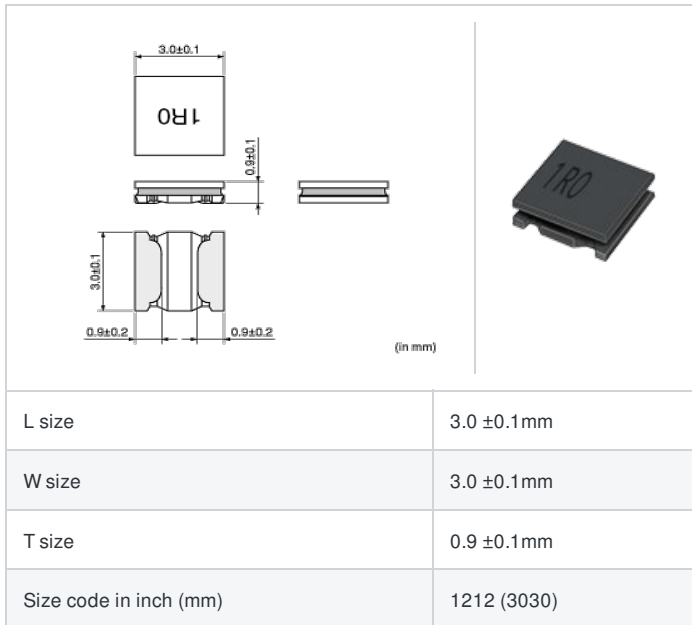
LQH3NPZ150MGR#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH3NPZ150MGRL

Shape



Notes

When rated current is applied 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 rated current is applied to the products, the self-temperature rise shall be limited to 40 °C max. (ambient temperature 85 °C).
When rated current is applied to the products, the self-temperature rise shall be limited to 20 °C max. (ambient temperature 85 °C to 105 °C).

References

Packaging code	Specifications	Minimum quantity
L	φ 180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.034g

Specifications

Inductance	15μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	480mA
Rated current (Itemp) (Based on Temperature rise)	900mA(Ambient temp.85°C) 540mA(Ambient temp.105°C)
Max. of DC resistance	0.468Ω
Avg. of DC resistance	0.39Ω $\pm 20\%$
Self resonance frequency (min.)	15MHz
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 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPZ_GR

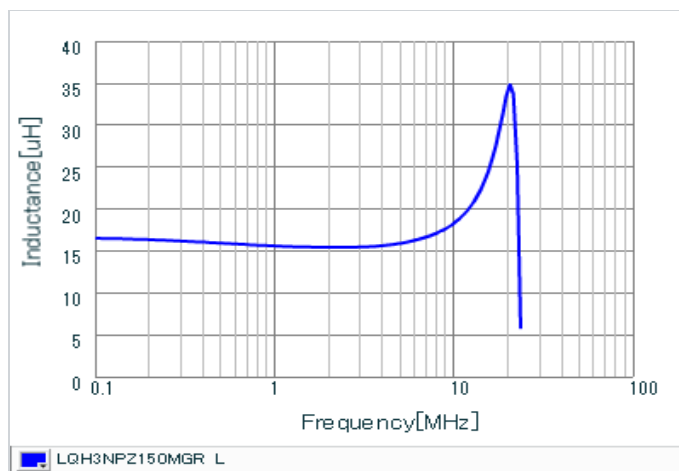
1 of 2

Attention

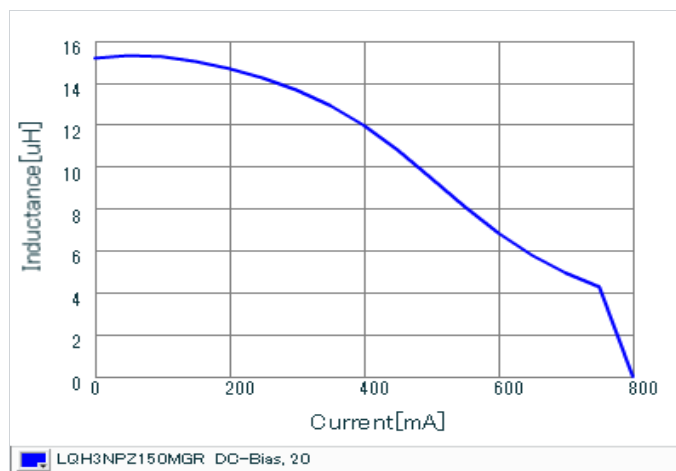
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

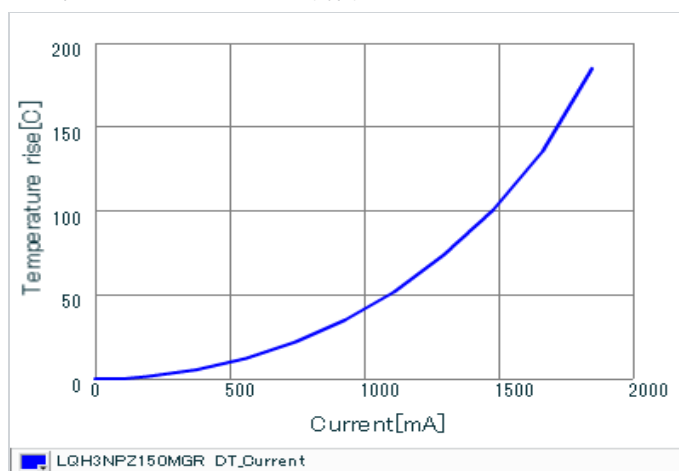
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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