

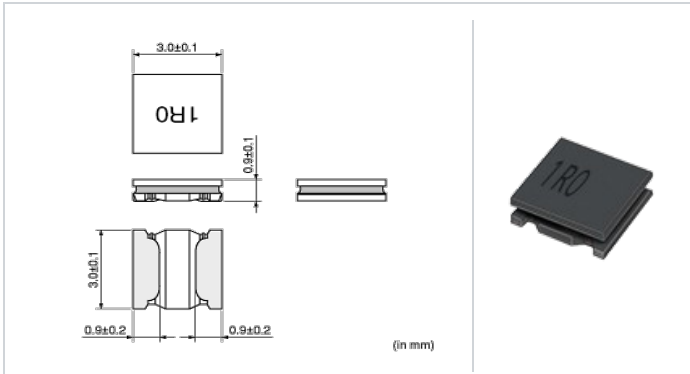
LQH3NPZ3R3MGR#

*# indicates a package specification code.



< List of part numbers with package codes >
LQH3NPZ3R3MGRL

Shape



L size	3.0 ±0.1mm
W size	3.0 ±0.1mm
T size	0.9 ±0.1mm
Size code in inch (mm)	1212 (3030)

Notes

When rated current is applied to the products, inductance will be within ±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	φ180mm Embossed taping	3000

Mass (Typ.)	
1 piece	0.034g

Specifications

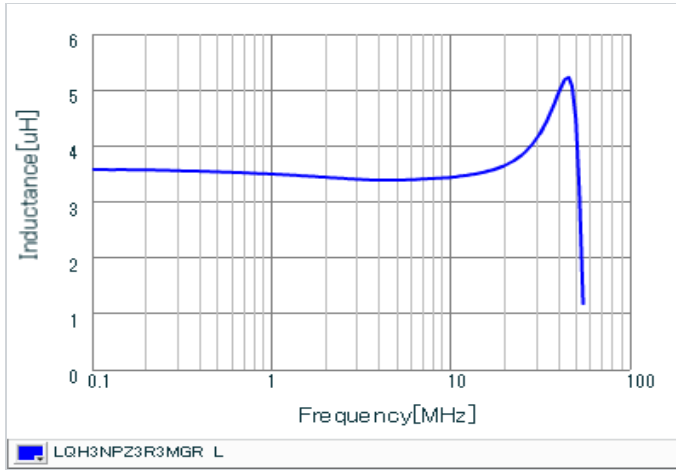
Inductance	3.3μH ±20%
Inductance test frequency	1MHz
Rated current (I _{sat}) (Based on Inductance change)	1050mA
Rated current (I _{temp}) (Based on Temperature rise)	1580mA(Ambient temp.85°C) 940mA(Ambient temp.105°C)
Max. of DC resistance	0.144Ω
Avg. of DC resistance	0.12Ω±20%
Self resonance frequency (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 105°C
Class of magnetic shield	Magnetic Resin
Series	LQH3NPZ_GR

Attention

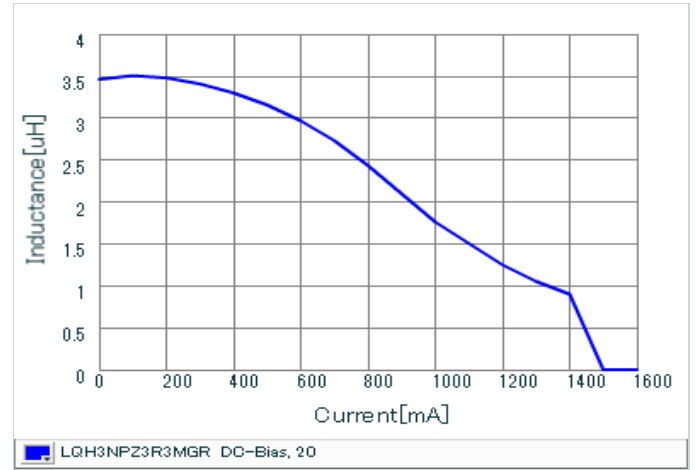
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- This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

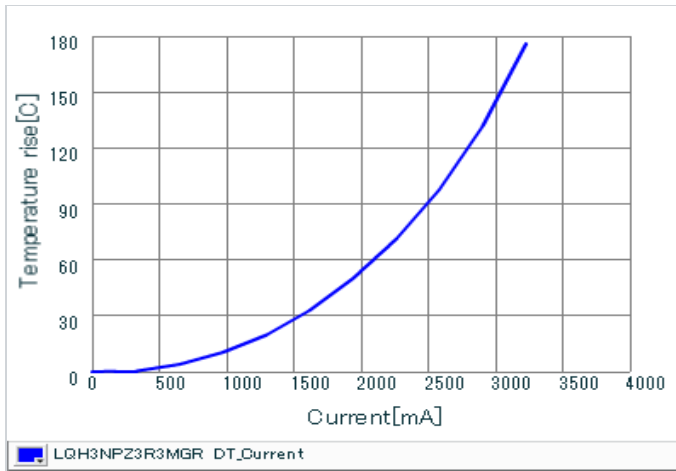
▪ Inductance-Frequency characteristics (Typ.)



▪ Inductance-Current characteristics (Typ.)



▪ Temperature rise characteristics (Typ.)



⚠ Attention

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