LQH3NPZ4R7MGR# "#" indicates a package specification code.











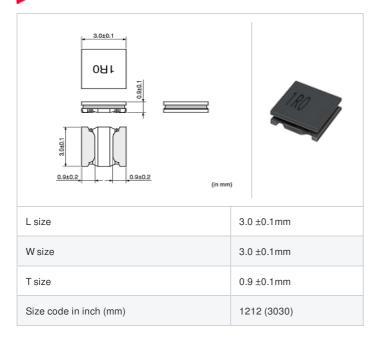






< List of part numbers with package codes > LQH3NPZ4R7MGRL

Shape





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	4.7μH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	850mA
Rated current (Itemp) (Based on Temperature rise)	1520mA(Ambient temp.85°C) 910mA(Ambient temp.105°C)
Max. of DC resistance	0.168Ω
Avg. of DC resistance	0.14Ω±20%
Self resonance frequency (min.)	27MHz
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

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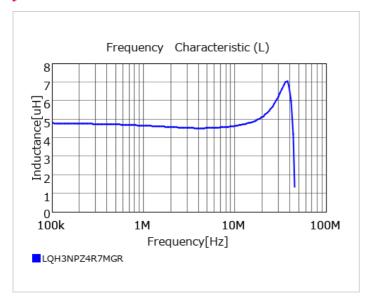


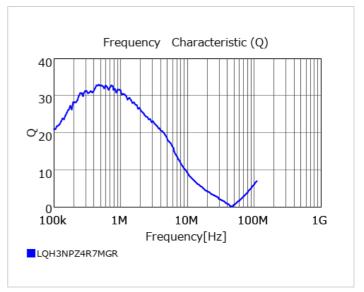
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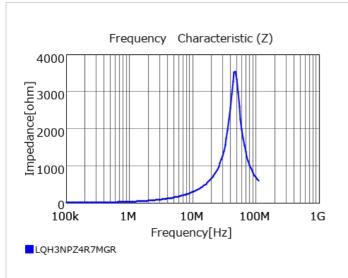
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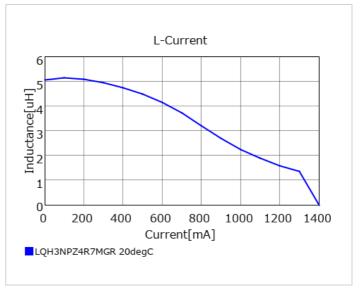


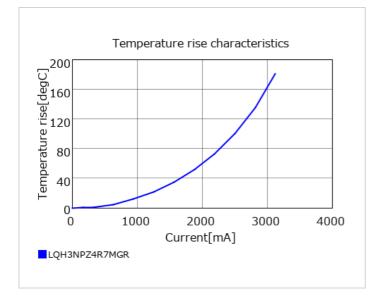
^{2.} This datasheet has only typical specifications because there is no space for detailed specifications











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