

LQH3NPN6R8MMR#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQH3NPN6R8MMRE , LQH3NPN6R8MMRF

Shape

L size	3.0 ±0.2mm
W size	3.0 ±0.2mm
T size	1.4 ±0.1mm
Size code in inch (mm)	1212 (3030)

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
F	φ330mm Embossed taping	8000
E	φ180mm_Embossed taping	2000

Mass (Typ.)	
1 piece	0.051g

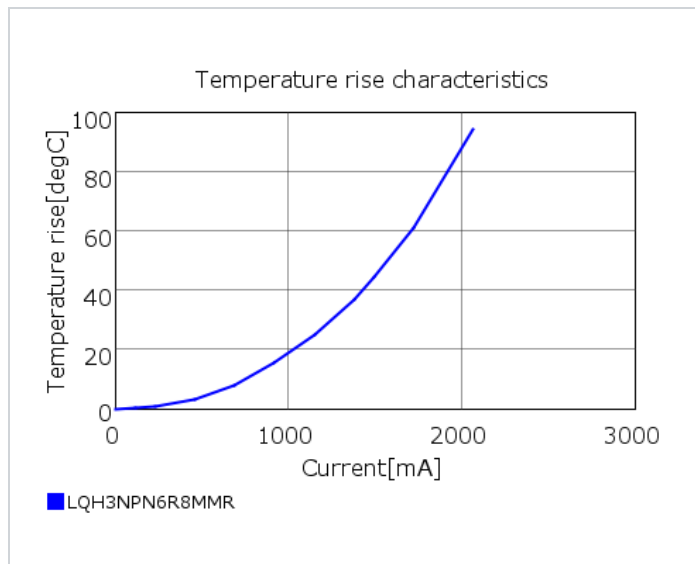
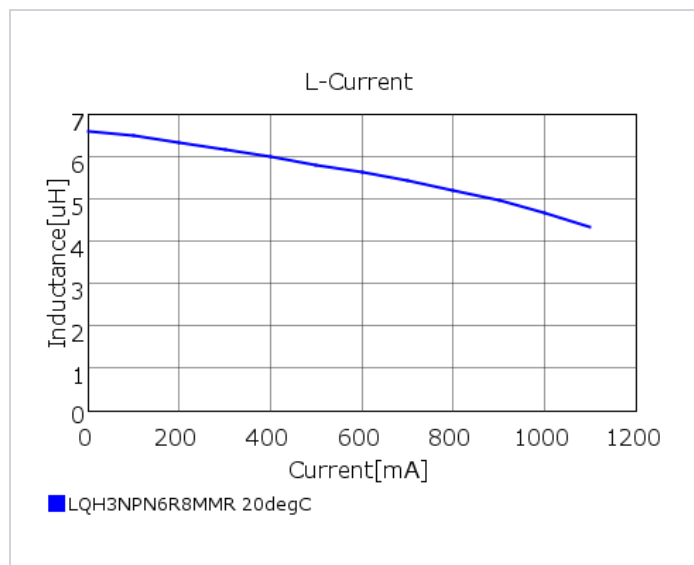
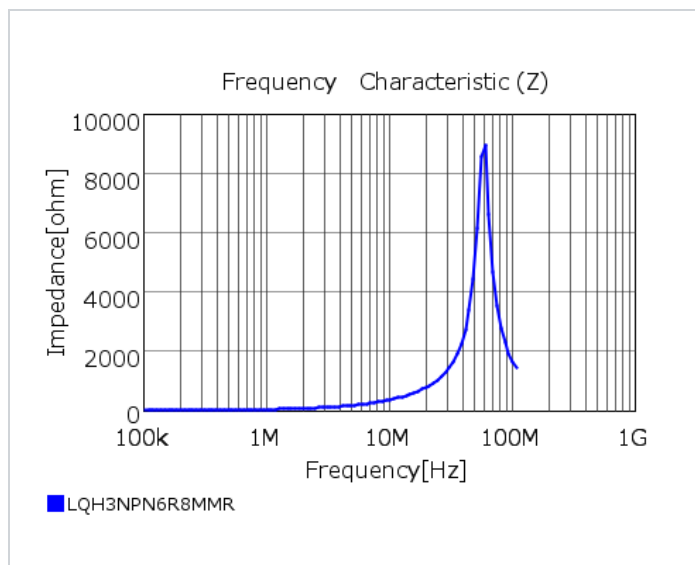
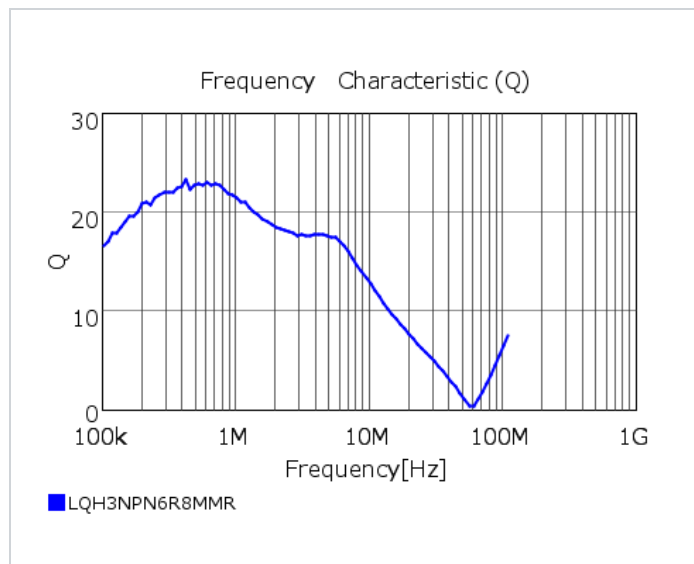
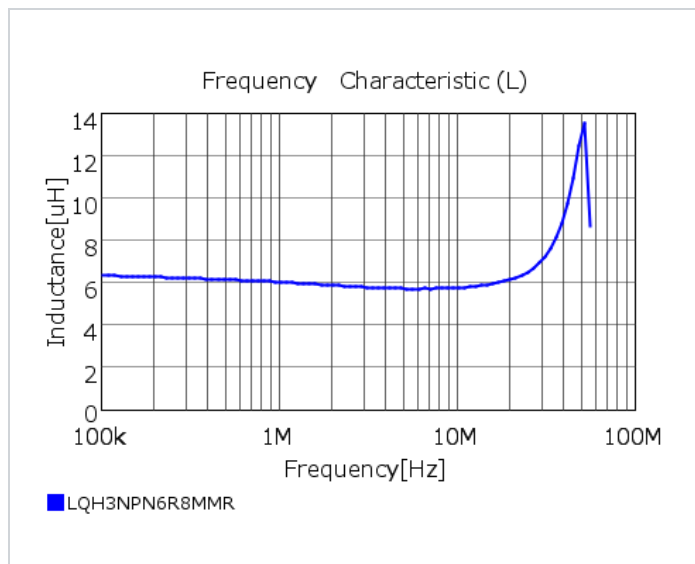
Specifications

Inductance	6.8μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	830mA
Rated current (Itemp) (Based on Temperature rise)	1250mA
Max. of DC resistance	0.186Ω
Avg. of DC resistance	0.155Ω $\pm 20\%$
Self resonance frequency (min.)	40MHz
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	LQH3NPN_MR

1 of 2

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