

# LQH3NPN3R3MMR#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH3NPN3R3MMRE , LQH3NPN3R3MMRF

## 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

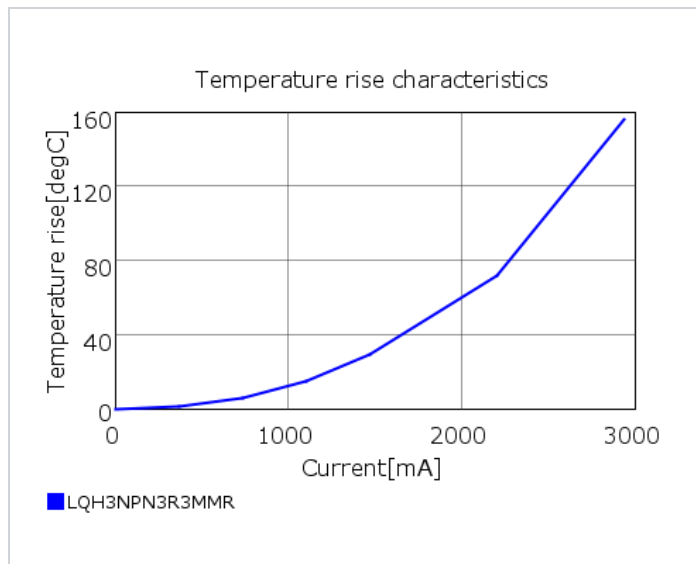
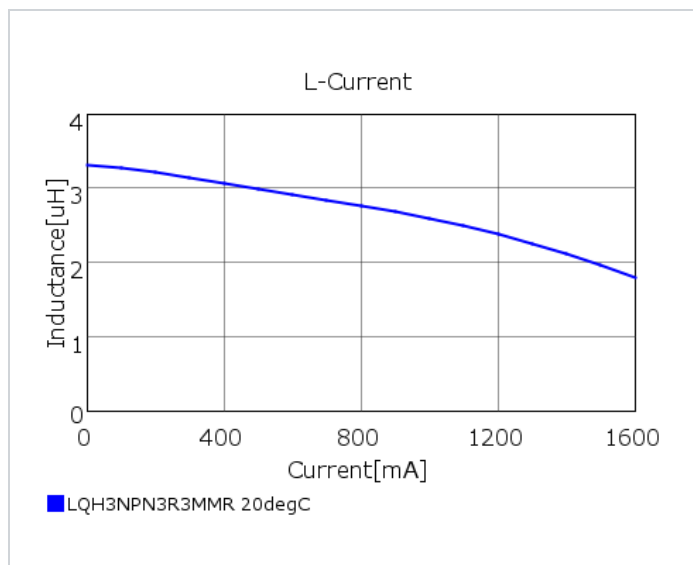
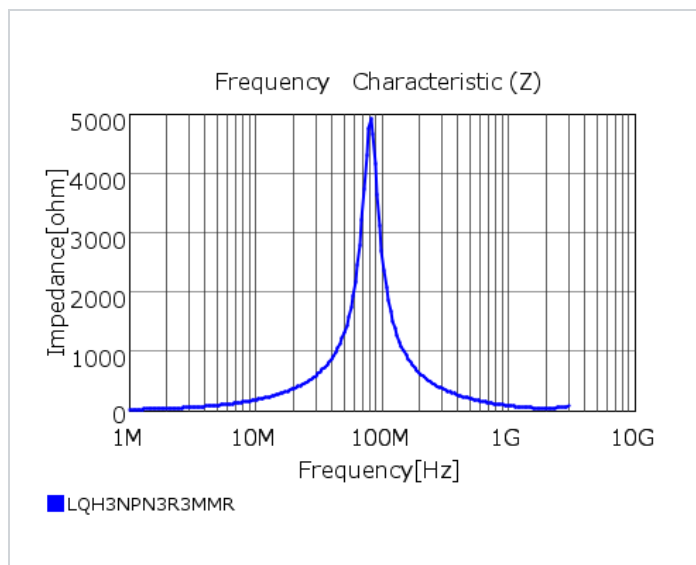
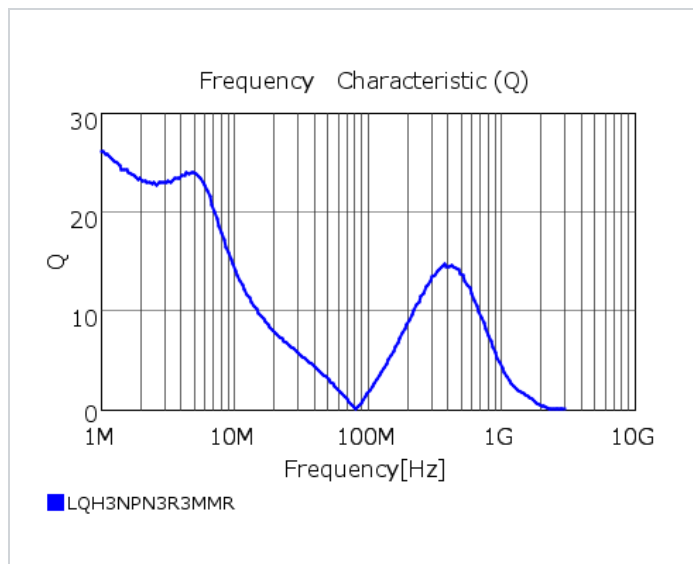
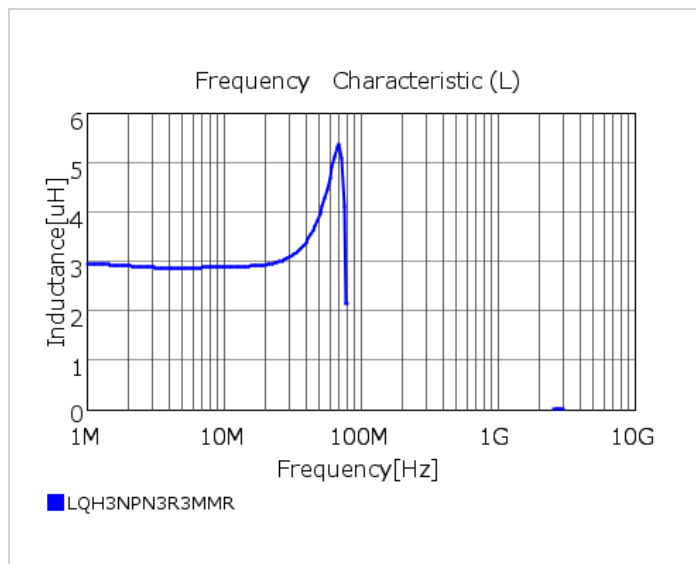
## Specifications

Inductance	3.3μH $\pm 20\%$
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1200mA
Rated current (Itemp) (Based on Temperature rise)	1550mA
Max. of DC resistance	0.106Ω
Avg. of DC resistance	0.088Ω $\pm 20\%$
Self resonance frequency (min.)	70MHz
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

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