

# LQH5BPN100M38#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPN100M38L , LQH5BPN100M38K

## Shape

L size	4.9 ±0.2mm
W size	4.9 ±0.2mm
T size	4.0mm max.
Size code in inch (mm)	2020 (5050)

## Notes

When rated current is applied to the products, inductance will be within  $\pm 30\%$  of initial inductance value range.  
When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max. (ambient temperature 85°C).  
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging code	Specifications	Minimum quantity
L	φ180mm Embossed taping	400
K	φ330mm Embossed taping	1500

Mass (Typ.)	
1 piece	0.35g

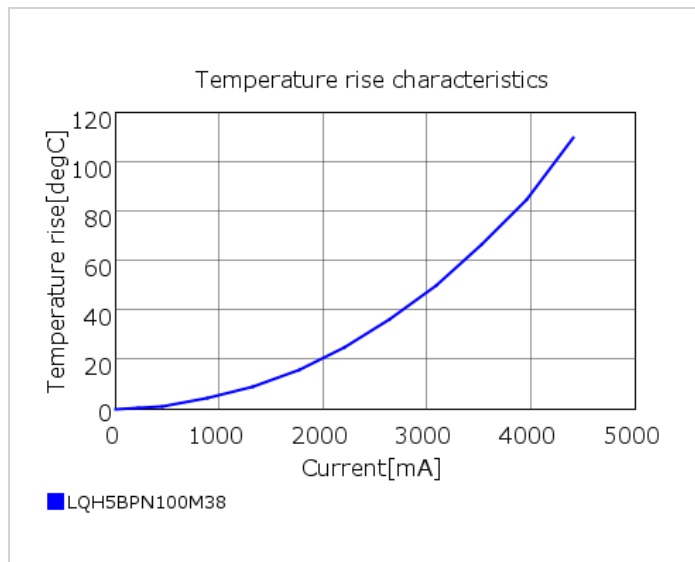
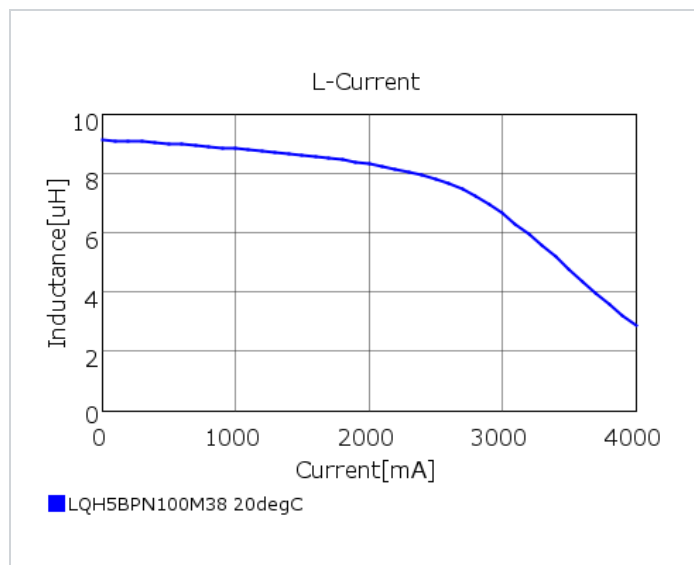
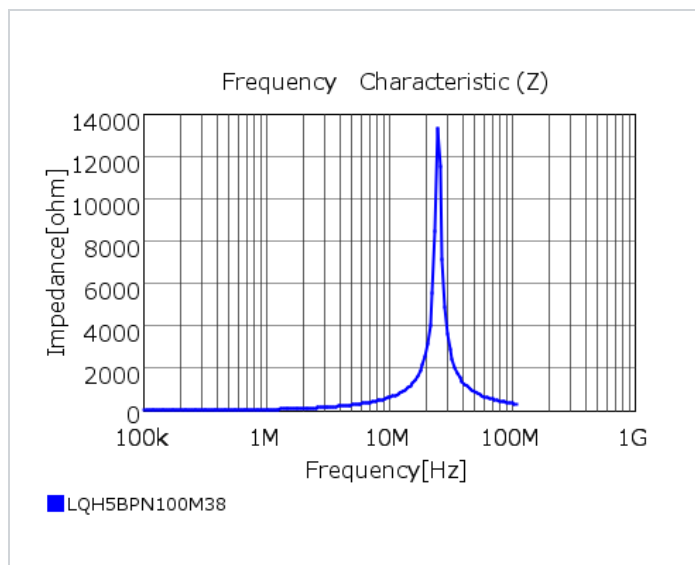
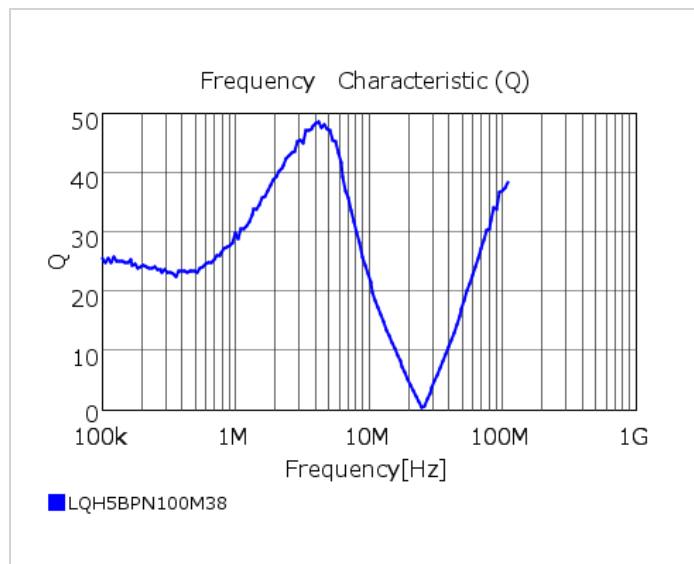
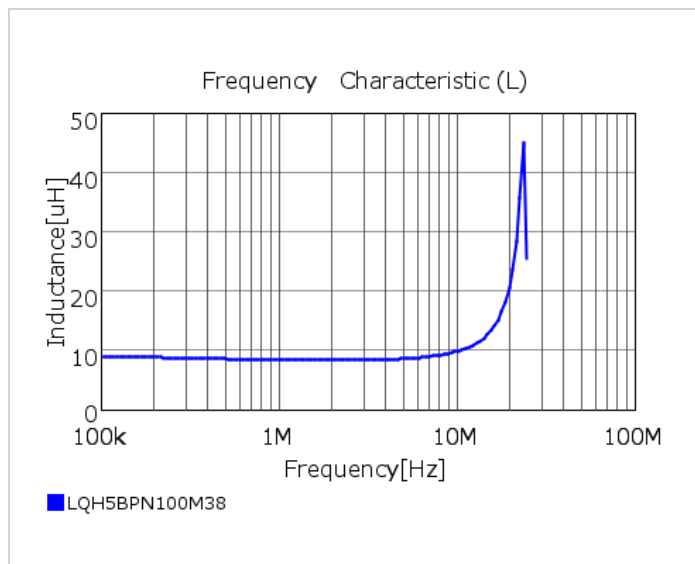
## Specifications

Inductance	10μH $\pm 20\%$
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	2600mA
Rated current (Itemp) (Based on Temperature rise)	2200mA
Max. of DC resistance	0.0672Ω
Avg. of DC resistance	0.056Ω $\pm 20\%$
Self resonance frequency (min.)	13MHz
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	LQH5BPN_38

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