

# LQH5BPN2R2N38#

"#" indicates a package specification code.



< List of part numbers with package codes >  
LQH5BPN2R2N38L , LQH5BPN2R2N38K

## Shape

<p>(in mm)</p>	
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

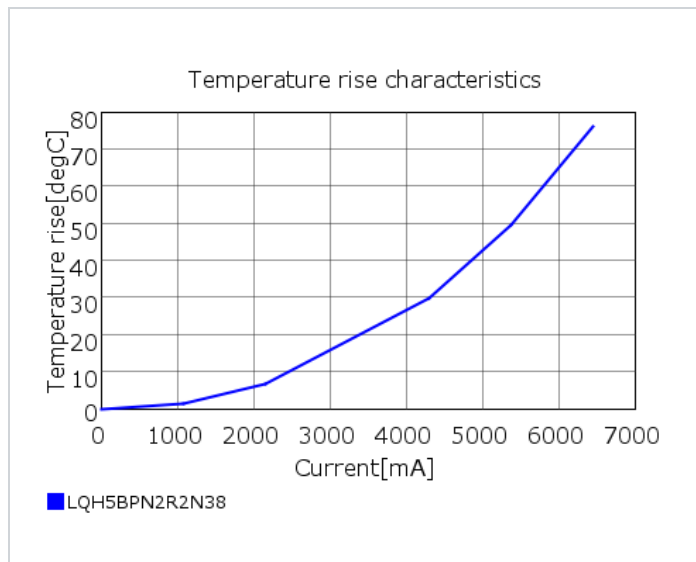
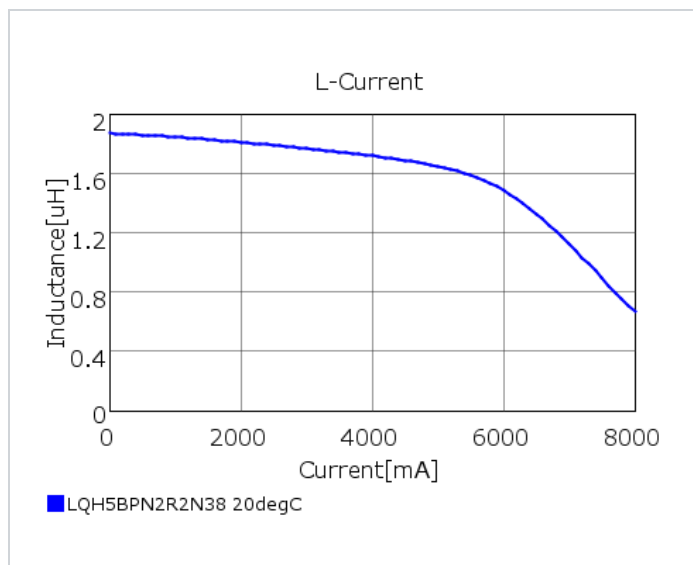
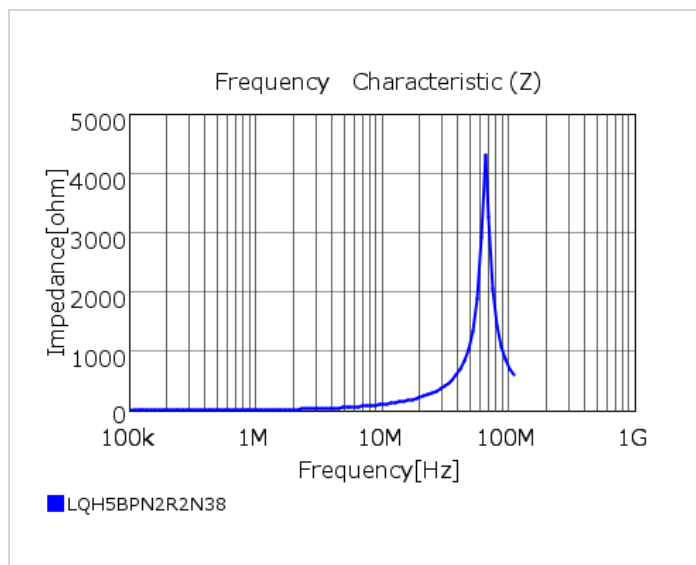
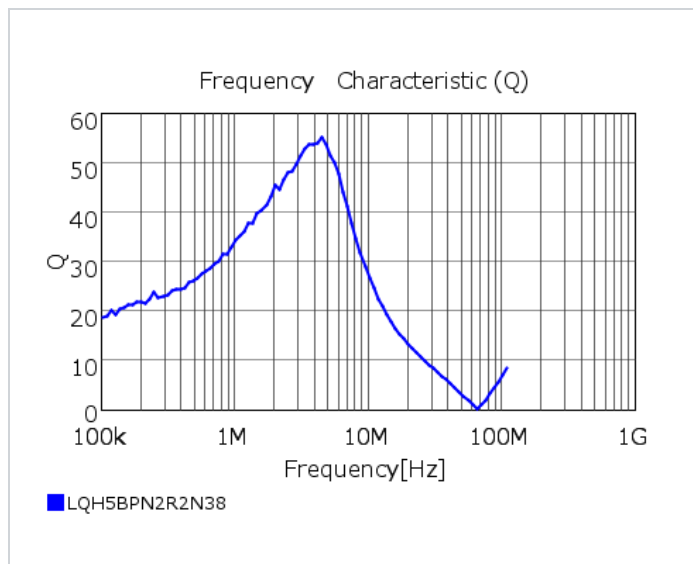
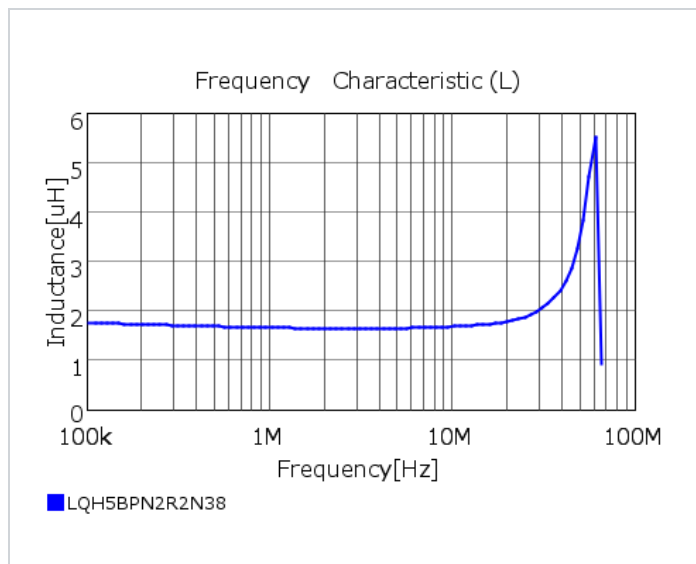
## Specifications

Inductance	2.2μH $\pm 30\%$
Inductance test frequency	100kHz
Rated current (Isat) (Based on Inductance change)	5000mA
Rated current (Itemp) (Based on Temperature rise)	4300mA
Max. of DC resistance	0.0192Ω
Avg. of DC resistance	0.016Ω $\pm 20\%$
Self resonance frequency (min.)	45MHz
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

1 of 2

### Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.  
2.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.



#### ⚠ Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.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.