

# LQH5BPN6R8M38#

“#” indicates a package specification code.

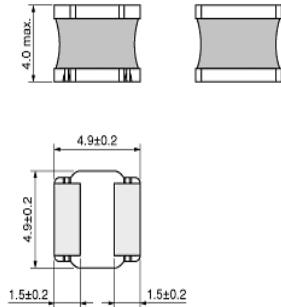
Size Code 5050 (2020) in mm (in inch), 4.0mm max. Thickness



< List of part numbers with package codes >

LQH5BPN6R8M38K      LQH5BPN6R8M38L

## Appearance & Shape



(in mm)

## References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	1500
L	180Embossed Tape	400

Mass (typ.)	
1 piece	0.35g

## Notices

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.

### 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.

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## Specifications

L size	4.9±0.2mm
W size	4.9±0.2mm
T size	4.0
Size code inch (mm)	2020 (5050)
Inductance	6.8μH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	3000mA
Rated current (Itemp) (Based on Temperature rise)	3000mA
Max. of DC resistance	0.0468Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	15MHz
Operating Temperature Range (Self-temperature rise is not included)	-40°C to 85°C
DC Resistance Intermediate Values	0.039Ω±20%
Series	LQH5BPN_38

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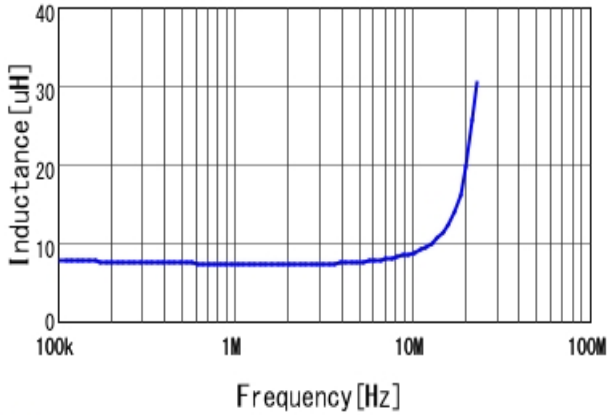
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## Characteristic Data

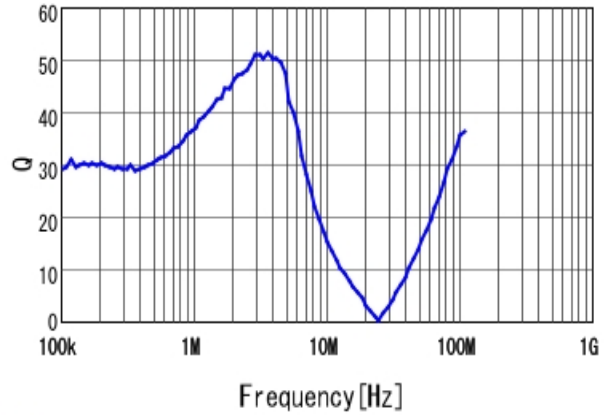
The charts below may show another part number which shares its characteristics.

Frequency Characteristic (L)



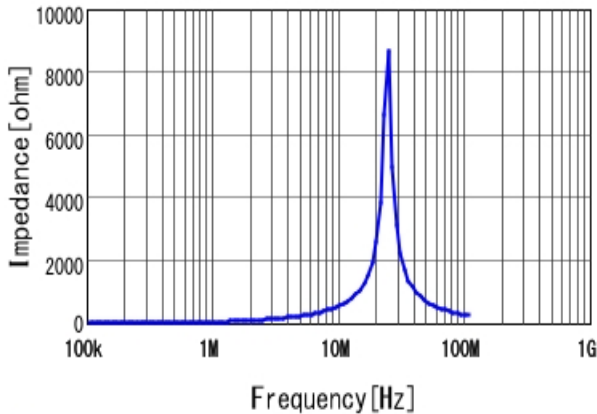
■ LQH5BPN6R8M38 L

Frequency Characteristic (Q)



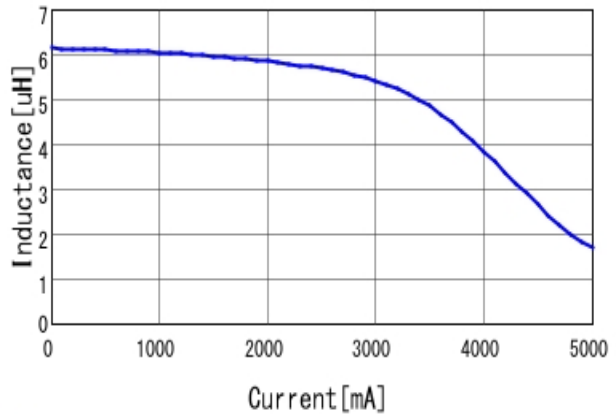
■ LQH5BPN6R8M38 Q

Frequency Characteristic (Z)



■ LQH5BPN6R8M38 |Z|

L-Current



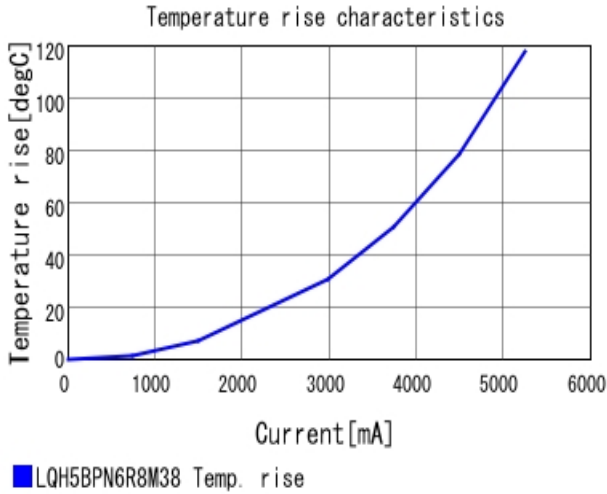
■ LQH5BPN6R8M38 L-Current 20degC

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