

# LQH5BPH100MT0#

“#” indicates a package specification code.

Recommend to power supply circuit and AC cut for automotive camera(ADAS)

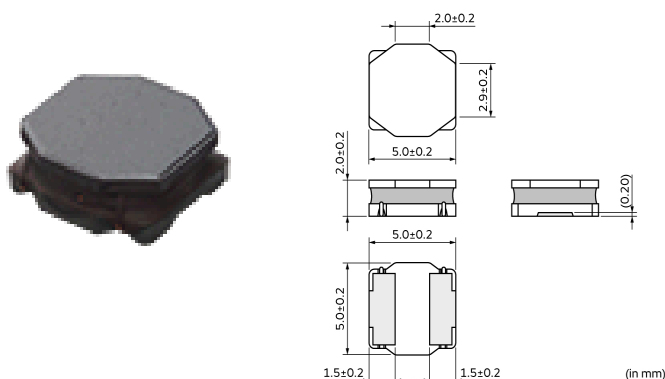


< List of part numbers with package codes >

LQH5BPH100MT0K

LQH5BPH100MT0L

## Appearance & Shape



## Notices

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, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max (ambient temperature 85°C to 105°C). Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	3000
L	180Embossed Tape	500

Mass (typ.)	
1 piece	0.22g

### 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.

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## Specifications

L size	5.0±0.2mm
W size	5.0±0.2mm
T size	2.0±0.2mm
Size code inch (mm)	2020 (5050)
Inductance	10μH±20%
Inductance Test Frequency	100kHz
Rated current (Isat) (Based on Inductance change)	2A
Rated current (Itemp) (Based on Temperature rise)	1.6A(Ambient temp.85°C)0.87A(Ambient temp.105°C)
Max. of DC resistance	0.1272Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	25MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
DC Resistance Intermediate Values	0.106Ω±20%
Series	LQH5BPH_T0

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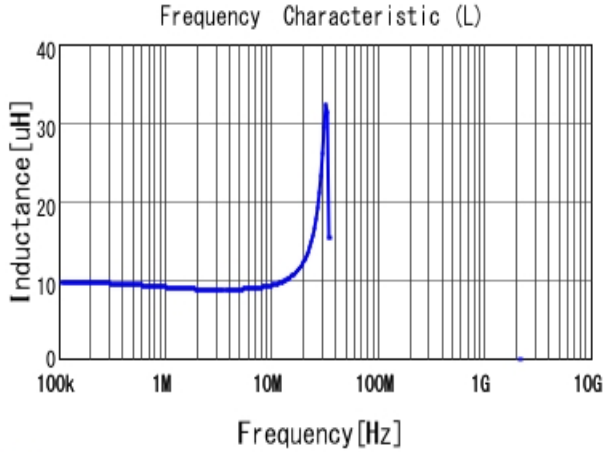
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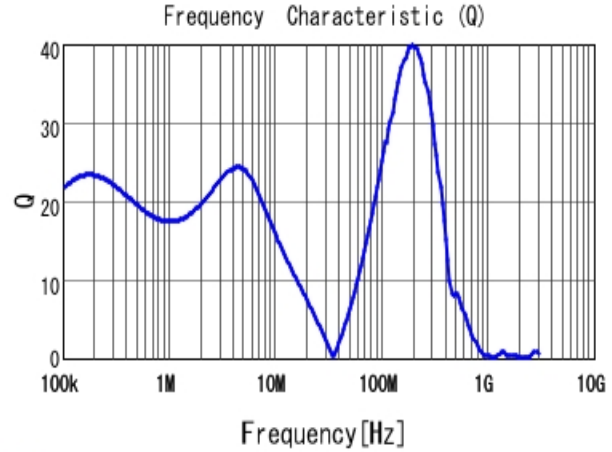


## Characteristic Data

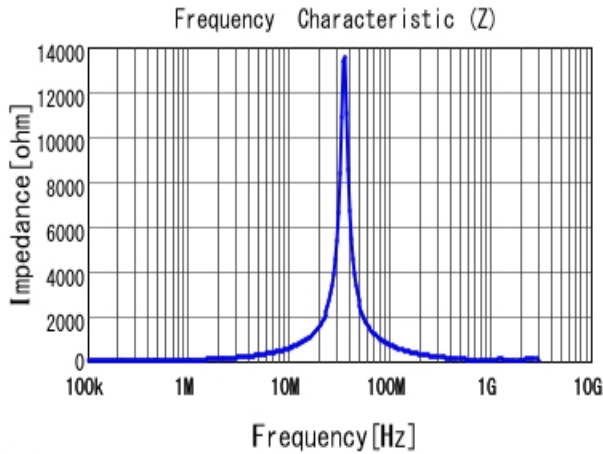
The charts below may show another part number which shares its characteristics.



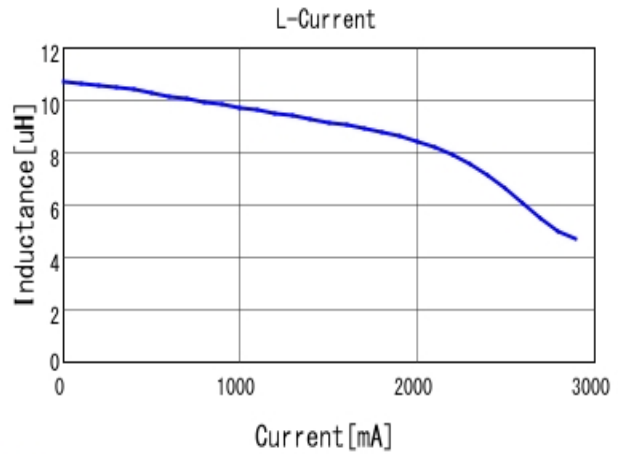
■ LQH5BPH100MT0 L



■ LQH5BPH100MT0 Q



■ LQH5BPH100MT0 |Z|



■ LQH5BPH100MT0 L-Current 20degC

### Attention

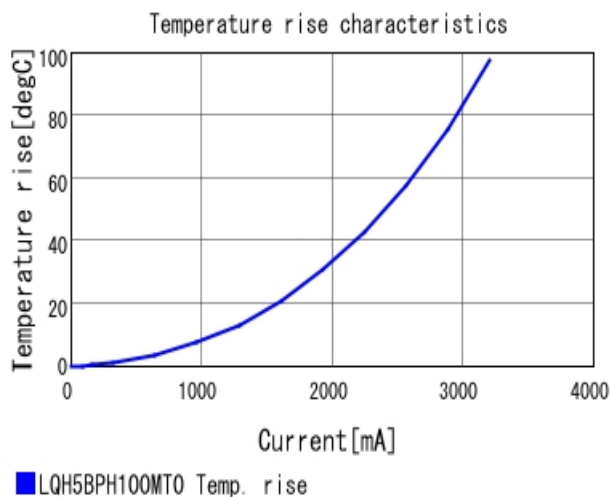
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