

# LQH32PB470MN0#

“#” indicates a package specification code.

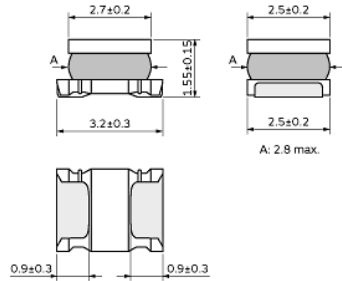
1.7mm max. Thickness, 105°C Operation Available



< List of part numbers with package codes >

LQH32PB470MN0B LQH32PB470MN0K LQH32PB470MN0L

## Appearance & Shape



(in mm)

## 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, 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.

### 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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## References

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	500
K	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.044g

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## Specifications

L size	3.2±0.3mm
W size	2.5±0.2mm
T size	1.55±0.15mm
Size code inch (mm)	1210 (3225)
Inductance	47μH±20%
Inductance Test Frequency	1MHz
Rated current (I <sub>sat</sub> ) (Based on Inductance change)	330mA
Rated current (I <sub>temp</sub> ) (Based on Temperature rise)	310mA(Ambient temp.85°C)140mA(Ambient temp.105°C)
Max. of DC resistance	2.14Ω
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Class of magnetic shield	Magnetic Resin
Self resonance frequency (min.)	11MHz
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
DC Resistance Intermediate Values	1.78Ω±20%
Series	LQH32PB_N0

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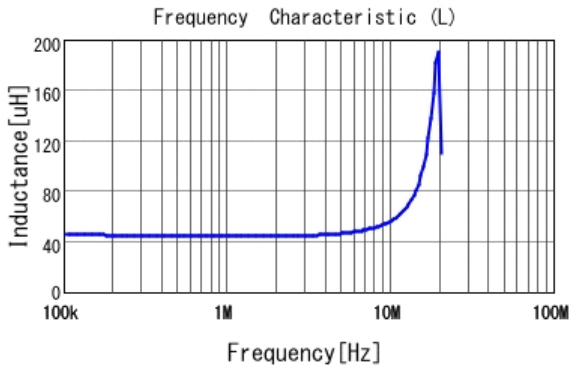
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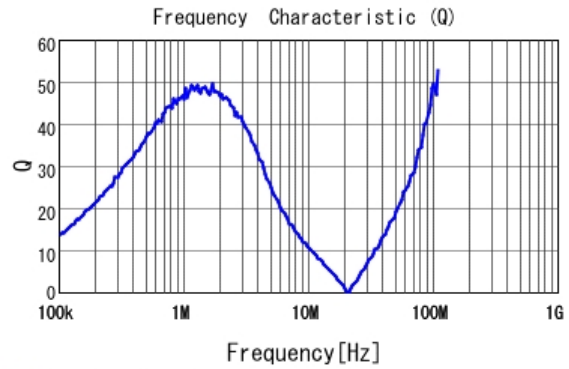
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## Characteristic Data

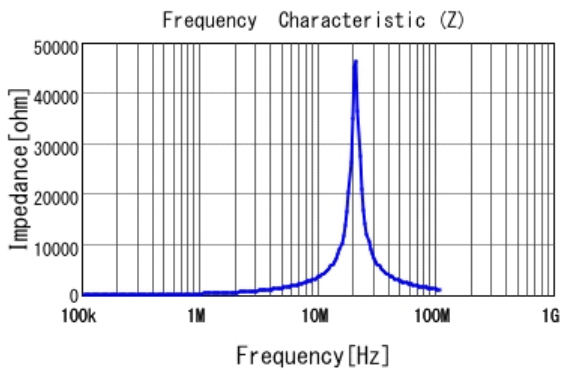
The charts below may show another part number which shares its characteristics.



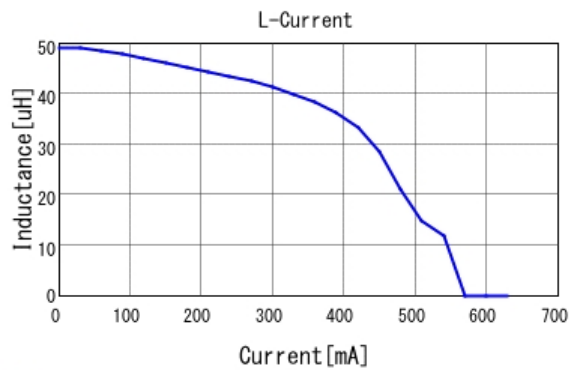
■ LQH32PB470MN0 L



■ LQH32PB470MN0 Q



■ LQH32PB470MN0 |Z|



■ LQH32PB470MN0 L-Current 20degC

**Attention**

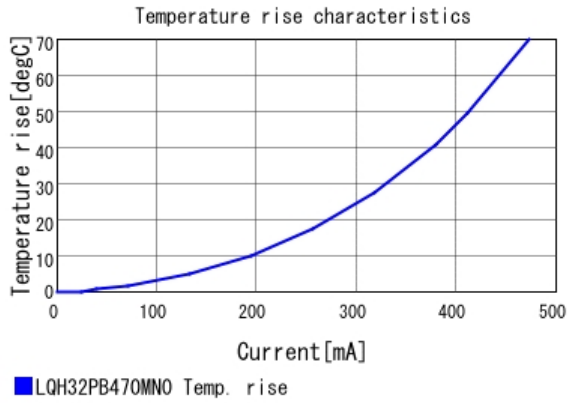
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