

# LQH32DZ470K23#

“#” at the end indicates the package specification code.

It can be used in 105 °C environment.

In Production

AEC-Q200

RoHS

REACH

105 °C max.

Wound (Ferrite)

Reflow OK

## < List of part numbers with package codes >

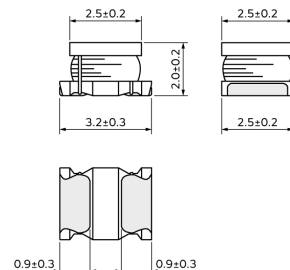
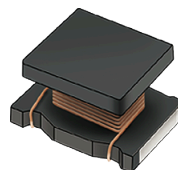
LQH32DZ470K23K

LQH32DZ470K23L

## Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	<p>Consumer equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTE A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.</p>
Recommended Applications	Automotive infotainment/comfort equipment

## Appearance & Shape



(in mm)

## Notices

When rated current is applied to the products, self-temperature rise shall be limited to 20°C max and inductance will be within ±10% of initial inductance value.

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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	Standard Packing Quantity
K	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.06g

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## Specifications

L size	3.2±0.3mm
W size	2.5±0.2mm
T size	2.0±0.2mm
Size code inch (mm)	1210 (3225)
Inductance	47μH±10%
Inductance Test Frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	170mA
Max. of DC resistance	1.69Ω
DC resistance	1.3Ω±30%
Class of magnetic shield	Non-Shielded
Self resonance frequency (min.)	15MHz
Brand	Murata
Operating Temperature Range	-40°C to 105°C
Series	LQH32DZ_23

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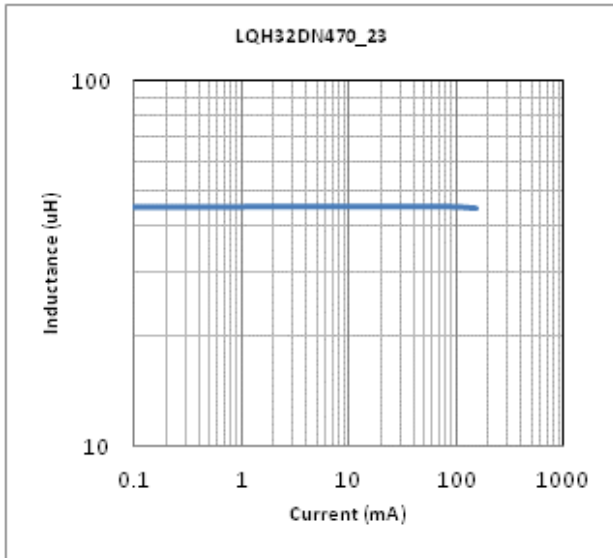
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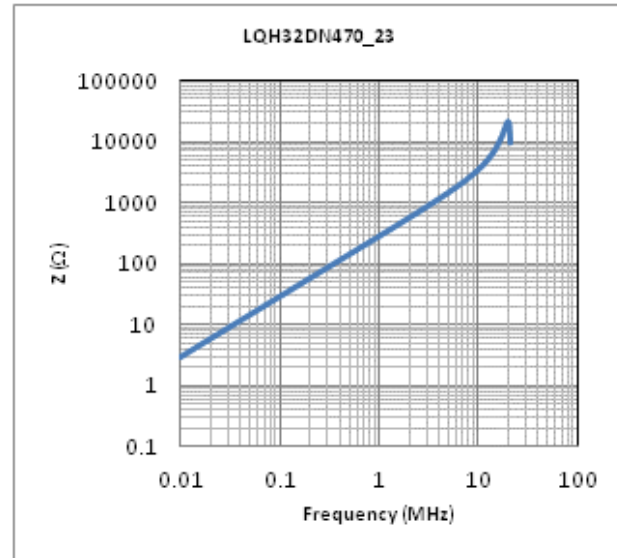
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## Characteristic Data



Impedance - Current Characteristics



Impedance - Frequency Characteristics

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