

LQH32PN220MN0#

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

● In Production

Wire Wound Ferrite Inductor for Power Lines

LQH32PN220MN0#

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



Size Code 3225 (1210) in mm (in inch), 1.7mm max. Thickness

LQH32PN220MN0L,LQH32PN220MN0K,LQH32PN220MN0B

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.

LQH32PN220MN0#

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

Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<u>Consumer equipment,Industrial equipment except for transportation & facility & energy equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector</u> 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.
Recommended Applications	Consumer equipment

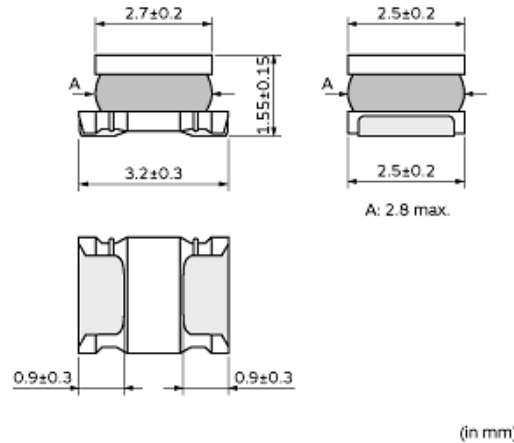
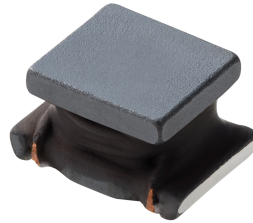
Attention

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.

LQH32PN220MN0#

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

Appearance & Shape



Length	3.2mm ±0.3mm
Width	2.5mm ±0.2mm
Thickness	1.55mm ±0.15mm
Size code in mm(inch)	3225/1210

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.

LQH32PN220MN0#

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

Specifications

Inductance	22μH ±20%
Inductance Test Frequency	1MHz
Rated Current (Temperature Rise) / Max.	450mA
Rated Current (L Change) / Max.	500mA
DC Resistance(max.)	0.972Ω
DC Resistance	0.81Ω ±20%
Self-resonant frequency(min.)	20MHz
Operating Temperature	-40 ~ 125℃
Type of magnetic shield	Shielded (Magnetic Resin)
Series	LQH32PN_N0
Brand	Murata
Soldering Support	Reflow soldering

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.

LQH32PN220MN0#

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

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.

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.

LQH32PN220MN0#

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

References

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

Mass(Typ.)	
1 piece	0.044g

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.

LQH32PN220MN0#

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

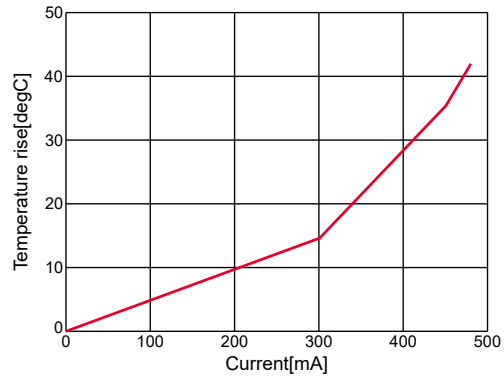
Basic

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.

LQH32PN220MN0#

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



LQH32PN220MN0#,Temp. rise,

Attention

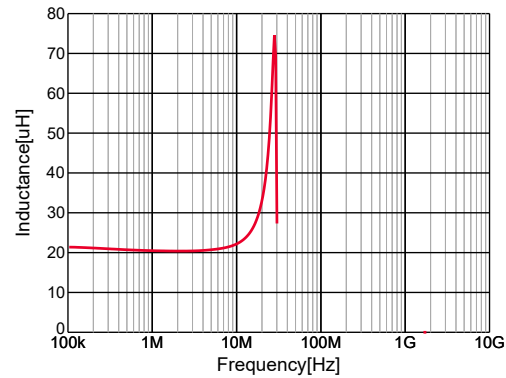
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 2. This datasheet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

LQH32PN220MN0#

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

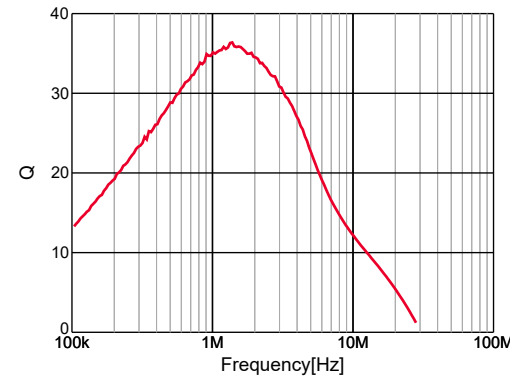
Frequency Characteristic

L



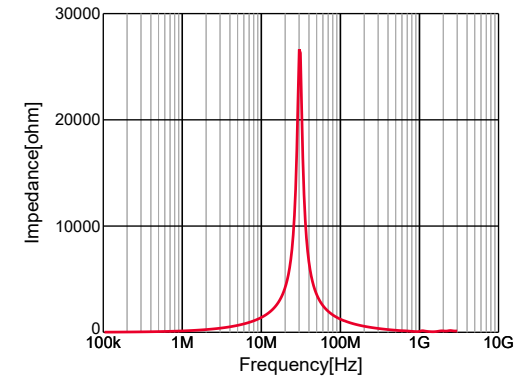
LQH32PN220MN0#,L,

Q



LQH32PN220MN0#,Q,

|Z|



LQH32PN220MN0#.|Z|,

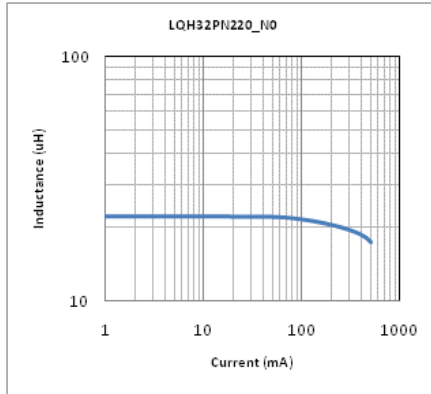
Attention

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.

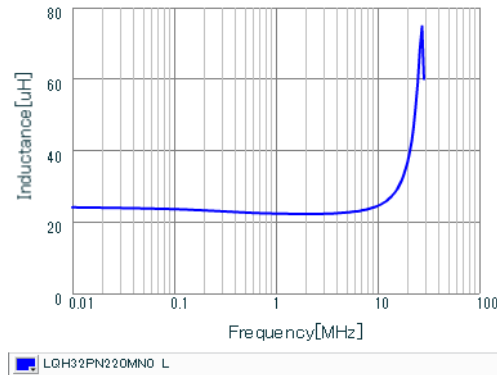
LQH32PN220MN0#

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

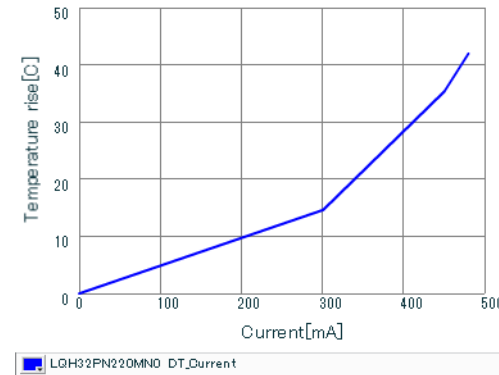
Product Data



Impedance - Current Characteristics



Inductance - Frequency Characteristics



Temperature Increase Characteristic

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.