muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

LQH32PH4R7NN0#

"#"at the end indicates the package specification code.

Size code 1210(3225)in inch(in mm),1.7mm max. Thickness, 125℃ Operation Available

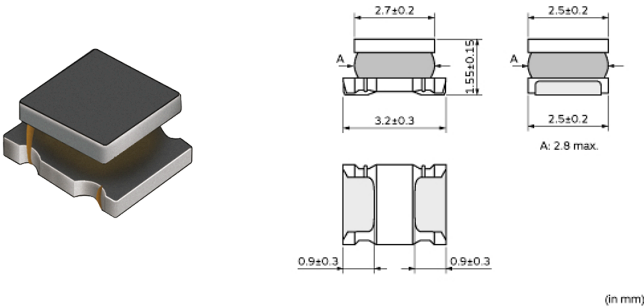| In Production | AEC-Q200 | RoHS | REACH | 125 ℃ max. | Wound (Ferrite) | Reflow OK |

< List of part numbers with package codes >

LQH32PH4R7NN0K   LQH32PH4R7NN0L

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Automotive infotainment/comfort equipment, Automotive powertrain/safety equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector,Industrial Equipment 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	Automotive powertrain/safety equipment

Appearance & Shape

2.7±0.2

2.5±0.2

1.55±0.15

3.2±0.3

2.5±0.2

A: 2.8 max.

0.9±0.3   0.9±0.3

(in mm)

muRata
INNOVATOR IN ELECTRONICS

URL : https://www.murata.com/

Last updated05/19/2024

LQH32PH4R7NN0#

"#"at the end indicates the package specification code.

Notices

When rated current is applied to the products, inductance will be within ±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	7500
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.044g

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQH32PH4R7NN0%23

LQH32PH4R7NN0#

"#"at the end indicates the package specification code.

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	4.7µH±30%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1000mA
Rated current (Itemp) (Based on Temperature rise)	1000mA(Ambient temp.85℃) 530mA(Ambient temp.105℃)
Max. of DC resistance	0.216Ω
DC resistance	0.18Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40℃ to 125℃
Operating Temperature Range(Self-temperature rise is not included)	-40℃ to 105℃
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	40MHz
Brand	Murata
Series	LQH32PH_N0

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQH32PH4R7NN0%23
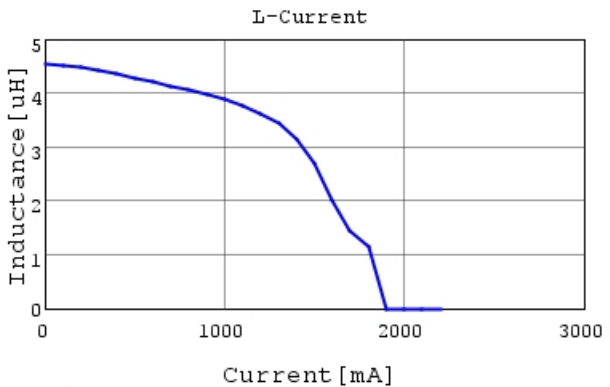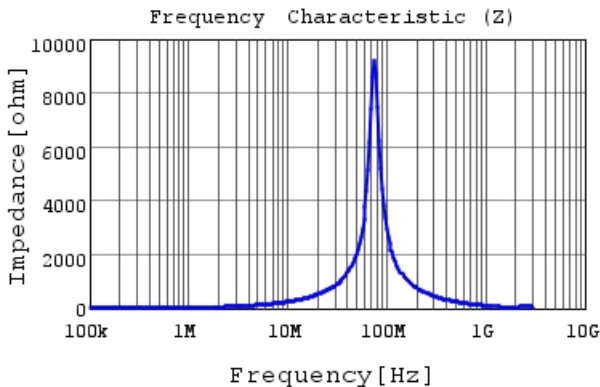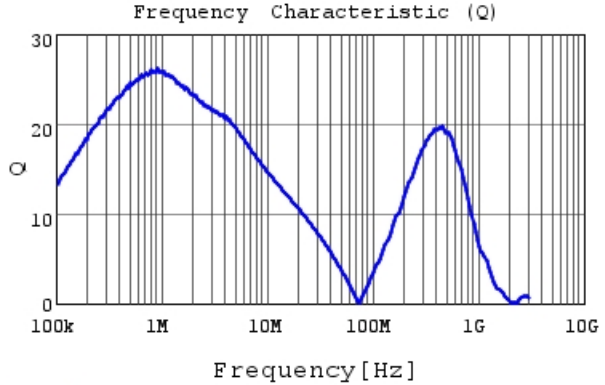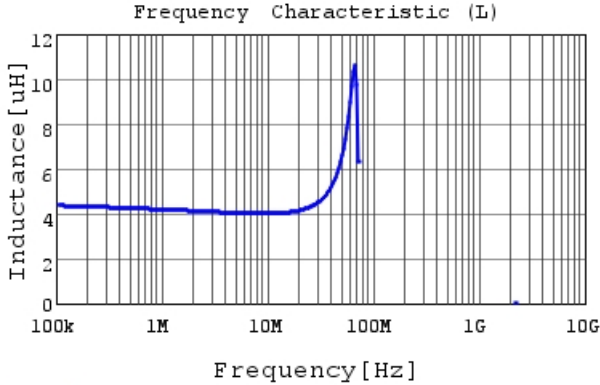
LQH32PH4R7NN0#

"#"at the end indicates the package specification code.

Characteristic Data

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

Frequency Characteristic (L)

LQH32PH4R7NN0 L

Frequency Characteristic (Q)

LQH32PH4R7NN0 Q

Frequency Characteristic (Z)

LQH32PH4R7NN0 |Z|

L-Current

LQH32PH4R7NN0 L-Current 20degC