

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PZ4R7NNC# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH32PZ4R7NNC%23

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

Size code 1210(3225)in inch(in mm),1.7mm max. Thickness, 105°C Operation Available

















< List of part numbers with package codes > LQH32PZ4R7NNCK LQH32PZ4R7NNCL

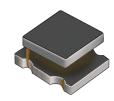


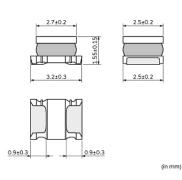
### **Applications**

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



# Appearance & Shape





1 of 5

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2. This datasheet has only typical specifications because there is no space for detailed specifications.





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#### **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

2 of 5

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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	4.7µH±30%
Inductance Test Frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1600mA
Rated current (Itemp)	1200mA(Ambient temp.85°C)
(Based on Temperature rise)	610mA(Ambient temp.105°C)
Max. of DC resistance	0.186Ω
DC resistance	0.155Ω±20%
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Operating Temperature Range(Self-temperature rise is not included)	-40°C to 105°C
Class of magnetic shield	Shielded (Magnetic Resin)
Self resonance frequency (min.)	40MHz
Brand	Murata
Series	LQH32PZ_NC

3 of 5

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### NNOVATOR IN ELECTRONICS

LQH32PZ4R7NNC#

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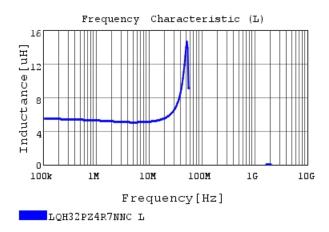
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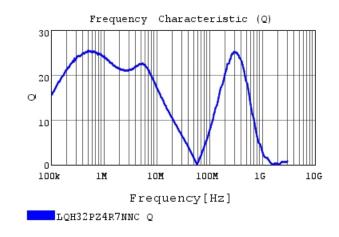
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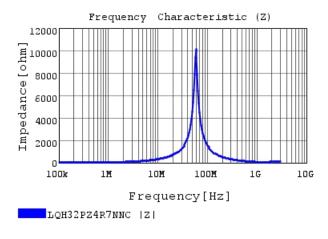


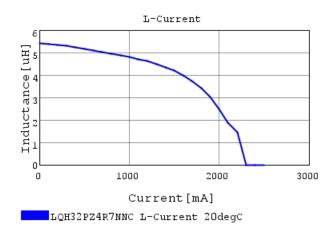
### Characteristic Data

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









4 of 5

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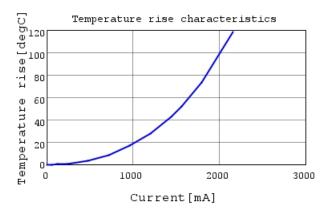


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LQH32PZ4R7NNC Temp. rise

5 of 5

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