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Please download the latest datasheet of LQH32PZ2R2NN0# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=LQH32PZ2R2NN0%2

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

1.7mm max. Thickness, 105°C Operation Available















< List of part numbers with package codes > LQH32PZ2R2NN0K LQH32PZ2R2NN0L

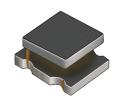


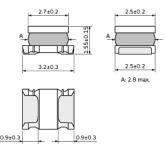
## **Applications**

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





(in mm)

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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

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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 2.2μH±30%  Inductance Test Frequency 1MHz  Rated current (Isat) (Based on Inductance change) 1550mA  Rated current (Itemp) 1600mA(Ambient temp.85°C) 970mA(Ambient temp.105°C)  Max. of DC resistance 0.0912Ω  DC resistance 0.076Ω±20%  Operating Temperature Range (Self-temperature rise is included)  Operating Temperature Range(Self-temperature rise is not included)  Class of magnetic shield Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand Murata  Series LQH32PZ_N0		
T size  1.55±0.15mm  Size code inch (mm)  1210 (3225)  Inductance  2.2μH±30%  Inductance Test Frequency  IMHz  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  DC resistance  Operating Temperature  Range (Self-temperature Range (Self-temperature rise is not included)  Class of magnetic shield  Murata  1.55±0.15mm  1.510 (3225)  1.510 (32	L size	3.2±0.3mm
Size code inch (mm)  1210 (3225)  Inductance  2.2μH±30%  Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  DC resistance  1550mA  1550mA  1600mA(Ambient temp.85°C)  970mA(Ambient temp.105°C)  Max. of DC resistance  0.0912Ω  DC resistance  0.076Ω±20%  Operating Temperature Range (Self-temperature Range (Self-temperature Range(Self-temperature rise is included)  Operating Temperature  Range(Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	W size	2.5±0.2mm
Inductance	T size	1.55±0.15mm
Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp) (Based on Temperature rise)  Max. of DC resistance  DC resistance  Operating Temperature Range (Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	Size code inch (mm)	1210 (3225)
Rated current (Isat) (Based on Inductance change)  Rated current (Itemp) (Based on Temperature rise)  Max. of DC resistance  DC resistance  Operating Temperature Range (Self-temperature rise is included)  Operating Temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature Range (Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	Inductance	2.2µH±30%
on Inductance change)     1550mA       Rated current (Itemp)     1600mA(Ambient temp.85°C)       (Based on Temperature rise)     970mA(Ambient temp.105°C)       Max. of DC resistance     0.0912Ω       DC resistance     0.076Ω±20%       Operating Temperature     -40°C to 125°C       rise is included)     -40°C to 105°C       Operating Temperature rise is not included)     -40°C to 105°C       Class of magnetic shield     Shielded (Magnetic Resin)       Self resonance frequency (min.)     70MHz       Brand     Murata	Inductance Test Frequency	1MHz
(Based on Temperature rise)       970mA(Ambient temp.105°C)         Max. of DC resistance       0.0912Ω         DC resistance       0.076Ω±20%         Operating Temperature       -40°C to 125°C         rise is included)       -40°C to 125°C         Operating Temperature       -40°C to 105°C         Range(Self-temperature rise is not included)       -40°C to 105°C         Class of magnetic shield       Shielded (Magnetic Resin)         Self resonance frequency (min.)       70MHz         Brand       Murata	, , ,	1550mA
Max. of DC resistance       0.0912Ω         DC resistance       0.076Ω±20%         Operating Temperature       -40°C to 125°C         rise is included)       -40°C to 125°C         Operating Temperature       -40°C to 105°C         Range(Self-temperature rise is not included)       -40°C to 105°C         Class of magnetic shield       Shielded (Magnetic Resin)         Self resonance frequency (min.)       70MHz         Brand       Murata	` ' '	' '
DC resistance 0.076Ω±20%  Operating Temperature Range (Self-temperature rise is included)  Operating Temperature Range(Self-temperature rise is not included)  Class of magnetic shield Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand Murata	(Based on Temperature rise)	970mA(Ambient temp.105°C)
Operating Temperature Range (Self-temperature rise is included)  Operating Temperature Range(Self-temperature Range(Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	Max. of DC resistance	0.0912Ω
Range (Self-temperature rise is included)  Operating Temperature Range(Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	DC resistance	0.076Ω±20%
Range(Self-temperature rise is not included)  Class of magnetic shield  Shielded (Magnetic Resin)  Self resonance frequency (min.)  Brand  Murata	Range (Self-temperature	-40°C to 125°C
Self resonance frequency (min.)  Brand  Murata	Range(Self-temperature rise	-40°C to 105°C
(min.)  Brand  Murata	Class of magnetic shield	Shielded (Magnetic Resin)
	· · ·	70MHz
Series LQH32PZ_N0	Brand	Murata
	Series	LQH32PZ_N0

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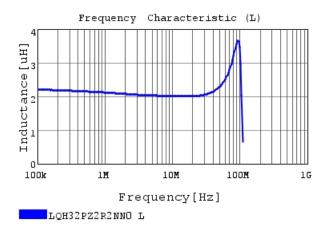
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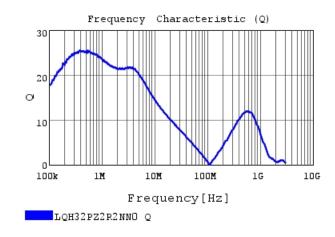


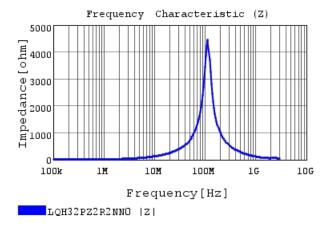
## Characteristic Data

LQH32PZ2R2NN0#

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









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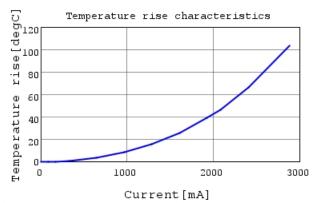


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LQH32PZ2R2NNO Temp. rise

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