

# LQH32PZ2R2NN0#

Note: This datasheet may be out of date

Please download the latest datasheet of LQH32PZ2R2NN0# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH32PZ2R2NN0%23

"#" indicates a package specification code.

1.7mm max. Thickness, 105°C Operation Available













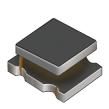


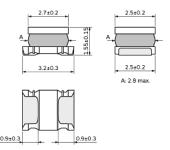


< List of part numbers with package codes > LQH32PZ2R2NN0K LQH32PZ2R2NN0L



## Appearance & Shape





(in mm)

### **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

		Standard
Packaging	Specifications	Packing
		Quantity
К	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.044g

1 of 4

### 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





# LQH32PZ2R2NN0#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PZ2R2NN0# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH32PZ2R2NN0%23

"#" indicates a 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 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  Operating Temperature Range (Self-temperature rise is included) 100mA(Ambient Resin 100mA(Ambient Remp.105°C) 100mA(Ambien			
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  Operating Temperature Range (Self-temperature rise is included) 125°C  Class of magnetic shield 1600mA(Ambient temp.105°C) 1700mHz  Magnetic Resin 1700mHz  Operating Temperature 1700mHz  Ao°C to 125°C 1700mHz  Tomhat 1700mHz  Tomhat 1700mHz  Ao°C to 105°C 1700mHz  Murata 1700mHz  DC Resistance Intermediate 1700mHz  O.076Ω±20%	L size	3.2±0.3mm	
Size code inch (mm)  1210 (3225)  Inductance  2.2μH±30%  Inductance Test Frequency  IMHz  Rated current (lsat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  Max. of DC resistance  Operating Temperature  Range (Self-temperature rise is included)  Class of magnetic shield  Magnetic Resin  Self resonance frequency (min.)  Operating Temperature  Range(Self-temperature rise is not included)  Brand  Murata  DC Resistance Intermediate  Values	W size	2.5±0.2mm	
Inductance Test Frequency  Rated current (Isat) (Based on Inductance change)  Rated current (Itemp)  (Based on Temperature rise)  Max. of DC resistance  Operating Temperature Range (Self-temperature rise is included)  Class of magnetic shield  Magnetic Resin  Self resonance frequency (min.)  Operating Temperature Range(Self-temperature Range(Self-temperature)  Range(S	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  Operating Temperature Range (Self-temperature rise is included)  Class of magnetic shield  Self resonance frequency (min.)  Operating Temperature  Range (Self-temperature  Range (Self-temperature)  ToMHz  A°C to 125°C  Magnetic Resin  Magnetic Resin  Self resonance frequency (min.)  Operating Temperature  Range (Self-temperature rise is not included)  Brand  Murata  DC Resistance Intermediate  Values	Size code inch (mm)	1210 (3225)	
Rated current (Isat) (Based on Inductance change)  Rated current (Itemp) (Based on Temperature rise)  Max. of DC resistance  Operating Temperature Range (Self-temperature rise is included)  Class of magnetic shield  Self resonance frequency (min.)  Operating Temperature  Range (Self-temperature  Range (Self-temperature)  Magnetic Resin  Self resonance frequency (min.)  Operating Temperature  Range (Self-temperature)  Range (Self-temperature)  Range (Self-temperature)  Range (Self-temperature)  Murata  DC Resistance Intermediate  Values	Inductance	2.2µH±30%	
on Inductance change)  Rated current (Itemp) (Based on Temperature rise)  Max. of DC resistance  Operating Temperature Range (Self-temperature rise is included)  Class of magnetic shield  Self resonance frequency (min.)  Operating Temperature Range(Self-temperature rise is not included)  Magnetic Resin  70MHz  40°C to 105°C  Murata  DC Resistance Intermediate Values	Inductance Test Frequency	1MHz	
(Based on Temperature rise)       970mA(Ambient temp.105°C)         Max. of DC resistance       0.0912Ω         Operating Temperature       -40°C to 125°C         rise is included)       Magnetic Resin         Class of magnetic shield       Magnetic Resin         Self resonance frequency (min.)       70MHz         Operating Temperature       -40°C to 105°C         is not included)       Murata         DC Resistance Intermediate       0.076Ω±20%	`	1550mA	
Max. of DC resistance       0.0912Ω         Operating Temperature       -40°C to 125°C         rise is included)       -40°C to 125°C         Class of magnetic shield       Magnetic Resin         Self resonance frequency (min.)       70MHz         Operating Temperature       -40°C to 105°C         is not included)       Murata         DC Resistance Intermediate Values       0.076Ω±20%	Rated current (Itemp)	1600mA(Ambient temp.85°C)	
Operating Temperature       -40°C to 125°C         rise is included)       -40°C to 125°C         Class of magnetic shield       Magnetic Resin         Self resonance frequency (min.)       70MHz         Operating Temperature       -40°C to 105°C         Is not included)       Murata         DC Resistance Intermediate Values       0.076Ω±20%	(Based on Temperature rise)	970mA(Ambient temp.105°C)	
Range (Self-temperature rise is included)       -40°C to 125°C         Class of magnetic shield       Magnetic Resin         Self resonance frequency (min.)       70MHz         Operating Temperature Range(Self-temperature rise is not included)       -40°C to 105°C         Brand       Murata         DC Resistance Intermediate Values       0.076Ω±20%	Max. of DC resistance	0.0912Ω	
rise is included)  Class of magnetic shield  Magnetic Resin  Self resonance frequency (min.)  Operating Temperature Range(Self-temperature rise is not included)  Brand  Murata  DC Resistance Intermediate Values  Magnetic Resin  70MHz  40°C to 105°C  Murata		1005 1 10505	
Self resonance frequency (min.)  Operating Temperature Range(Self-temperature rise is not included)  Brand  DC Resistance Intermediate Values  70MHz  -40°C to 105°C  Murata  0.076Ω±20%		-40 C to 125 C	
(min.)     70MHz       Operating Temperature     -40°C to 105°C       Range(Self-temperature rise is not included)     -40°C to 105°C       Brand     Murata       DC Resistance Intermediate Values     0.076Ω±20%	Class of magnetic shield	Magnetic Resin	
Operating Temperature         Range(Self-temperature rise is not included)       -40°C to 105°C         Brand       Murata         DC Resistance Intermediate Values       0.076Ω±20%	i i	70MHz	
Range(Self-temperature rise is not included)       -40°C to 105°C         Brand       Murata         DC Resistance Intermediate Values       0.076Ω±20%	,		
is not included)  Brand Murata  DC Resistance Intermediate Values  0.076Ω±20%		10%51 105%5	
Brand Murata  DC Resistance Intermediate Values  0.076Ω±20%		-40°C to 105°C	
DC Resistance Intermediate Values $0.076\Omega\pm20\%$	is not included)		
Values 0.076Ω±20%	Brand	Murata	
Values	DC Resistance Intermediate	0.0760+20%	
Series LQH32PZ_N0	Values	0.0702212070	
	Series	LQH32PZ_N0	

2 of 4

### 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.



### Product Search Data Sheet

Manufacturing Co., Ltd.

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

http://www.murata.com/en-gb/products/productdetail?partno=LQH32PZ2R2NN0%23

Note: This datasheet may be out of date.

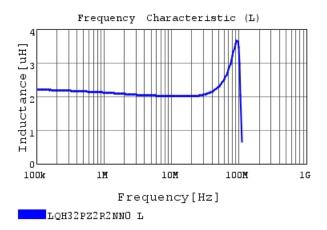
"#" indicates a package specification code.

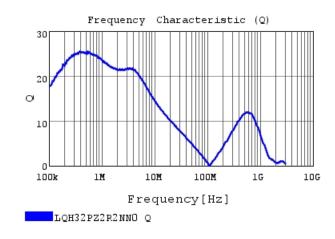
# LQH32PZ2R2NN0#

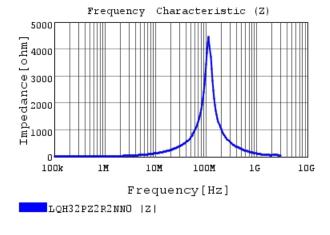


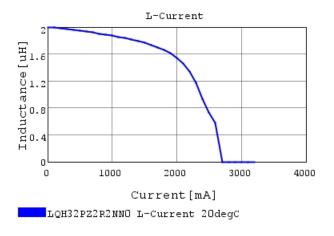
## Characteristic Data

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









3 of 4

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.



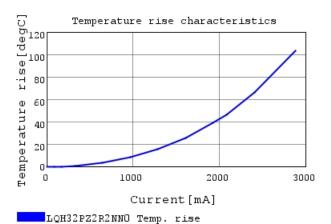
# LQH32PZ2R2NN0#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PZ2R2NN0# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH32PZ2R2NN0%23

"#" indicates a package specification code.



4 of 4

### 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.