

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata Manufacturing Co., Ltd.

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

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

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















< List of part numbers with package codes > LQH32PH4R7NN0K LQH32PH4R7NN0L

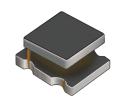


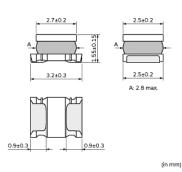
Applications

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



Appearance & Shape





1 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.





Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata Manufacturing Co., Ltd.

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

"#"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
К	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)		
1	piece	0.044g

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.
- $2. This \ data{sheet has only typical specifications because there is no \ space for \ detailed \ specifications.}$
- Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata Manufacturing Co., Ltd.

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

"#"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) 1000mA(Ambient temp.85°C) 530mA(Ambient temp.105°C) Max. of DC resistance 0.216Ω DC resistance 0.18Ω±20% Operating Temperature Range (Self-temperature rise is included) 200 cresis included) 200 cresistance 40°C to 125°C 200 crise is not included) 200 cresised Shielded (Magnetic Resin) 300 cresised Self resonance frequency (min.) 300 cresised Shielded (Magnetic Resin) 300 cr		
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) Rated current (Itemp) (Based on Temperature rise) 1000mA 1000mA 1000mA(Ambient temp.85°C) 530mA(Ambient temp.105°C) Max. of DC resistance 0.216Ω DC resistance 0.18Ω±20% Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.) 40MHz	L size	3.2±0.3mm
Size code inch (mm) Inductance 4.7μH±30% Inductance Test Frequency 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 included) Operating Temperature rise Range (Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.)	W size	2.5±0.2mm
Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) Rated current (Itemp) 1000mA 1000mA(Ambient temp.85°C) (Based on Temperature rise) 530mA(Ambient temp.105°C) Max. of DC resistance 0.216Ω DC resistance 0.18Ω±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.)	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 Range (Self-temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature Range(Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.)	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 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.)	Inductance	4.7µH±30%
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 rise is not included) Class of magnetic shield Self resonance frequency (min.)	Inductance Test Frequency	1MHz
(Based on Temperature rise) 530mA(Ambient temp.105°C) Max. of DC resistance 0.216Ω DC resistance 0.18Ω±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.) 40MHz	` ' '	1000mA
Max. of DC resistance 0.216Ω DC resistance 0.18Ω±20% Operating Temperature -40°C to 125°C rise is included) -40°C to 125°C Operating Temperature -40°C to 105°C is not included) -40°C to 105°C Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) 40MHz	` ' '	
DC resistance Operating Temperature Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature Range(Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.)	(Based on Temperature rise)	530mA(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 Self resonance frequency (min.) A0°C to 125°C -40°C to 105°C Shielded (Magnetic Resin) 40MHz	Max. of DC resistance	0.216Ω
Range (Self-temperature rise is included) Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Self resonance frequency (min.) -40°C to 125°C -40°C to 105°C 40°C to 105°C -40°C to 105°C -40°C to 105°C -40°C to 105°C	DC resistance	0.18Ω±20%
Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.)	Range (Self-temperature	-40°C to 125°C
Self resonance frequency (min.) 40MHz	Range(Self-temperature rise	-40°C to 105°C
(min.)	Class of magnetic shield	Shielded (Magnetic Resin)
Brand Murata		40MHz
	Brand	Murata
Series LQH32PH_N0	Series	LQH32PH_N0

3 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.

 $2. This \ data{sheet has only typical specifications because there is no space for \ detailed \ specifications.}$

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



Note: This datasheet may be out of date.

Please download the latest datasheet of LQH32PH4R7NN0# from the official website of Murata Manufacturing Co., Ltd.

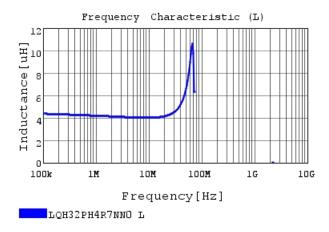
http://www.murata.com/en-sg/products/productdetail?partno=LQH32PH4R7NN0%23

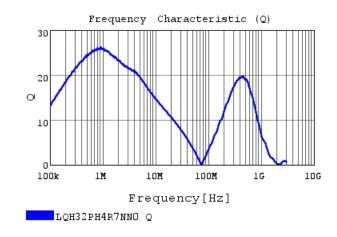
"#"at the end indicates the package specification code.

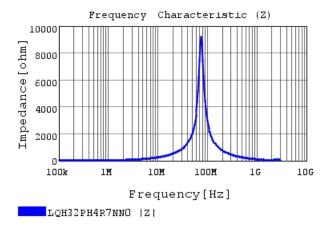


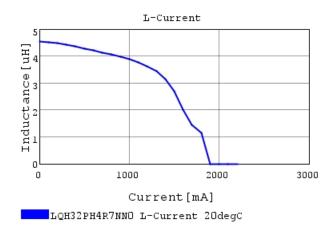
Characteristic Data

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









4 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.

