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Please download the latest datasheet of LQH32PZ4R7NN0# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=LQH32PZ4R7NN0%2

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

1.7mm max. Thickness, 105°C Operation Available















< List of part numbers with package codes > LQH32PZ4R7NN0K LQH32PZ4R7NN0L



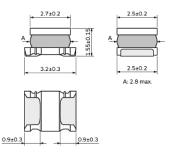
Applications

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 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) 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 4.7μH±30% Inductance Test Frequency Inductance Test Frequency Rated current (Isat) (Based on Inductance change) Rated current (Itemp) (Based on Temperature rise) 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.) Brand Murata	L size	3.2±0.3mm
Size code inch (mm) 1210 (3225) Inductance 4.7μH±30% 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 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	W size	2.5±0.2mm
Inductance 4.7μH±30% Inductance Test Frequency 1MHz Rated current (Isat) (Based on Inductance change) 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) Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	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 O.216Ω DC resistance O.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.) 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 rise is not included) Class of magnetic shield Self resonance frequency (min.) Brand 1000mA 1000mA 10	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 not included) Class of magnetic shield Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	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 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.) 40MHz Brand Murata	, , ,	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 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	` ' '	' '
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.) Brand Murata	(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 Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	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 Shielded (Magnetic Resin) Self resonance frequency (min.) Brand Murata	DC resistance	0.18Ω±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.) 40MHz Brand Murata	Class of magnetic shield	Shielded (Magnetic Resin)
	· · ·	40MHz
Series LQH32PZ_N0	Brand	Murata
	Series	LQH32PZ_N0

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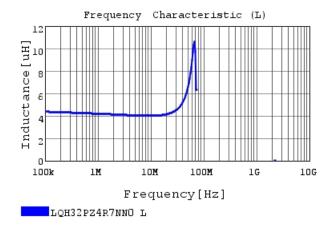
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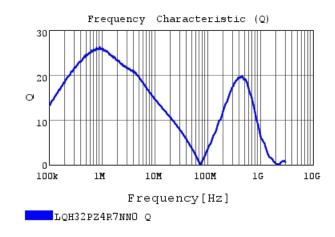
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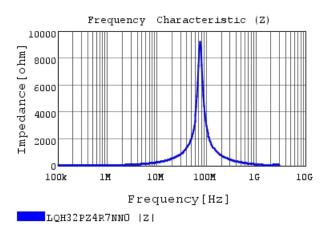


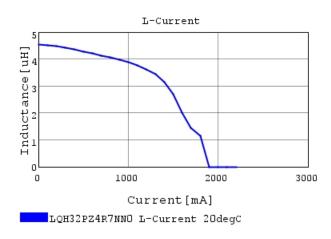
Characteristic Data

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









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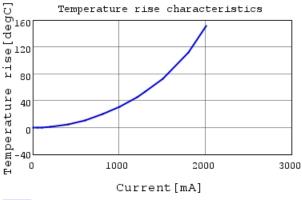


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LQH32PZ4R7NNO Temp. rise

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