Wire Wound Magnetic Type for Voltage Conversion

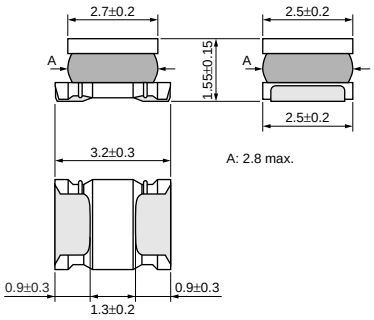
LQH32P_N0

LQH32P_N0 Series (1210 Size)

Thickness 1.7mm max. | Magnetic Resin Shield | Reflow OK

1210 Size, 1.7mm max. Thickness

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	2000
K	330mm Embossed Tape	7500

Refer to pages from p.80 to p.83 for mounting information.

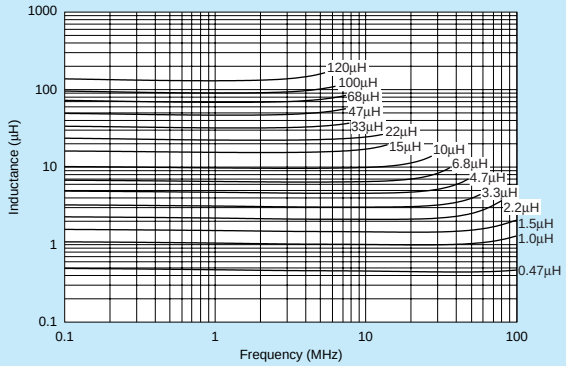
■ Rated Value (☐: packaging code)

Part Number	Inductance	Rated Current *1 (Based on Inductance Change)	Rated Current *2 (Based on Temperature Rise)	DC Resistance	Self Resonance Frequency (min.)	
LQH32PNR47NN0☐	0.47µH±30%	3400mA	2550mA	0.03ohm ±20%	100MHz	Kit
LQH32PN1R0NN0☐	1.0µH±30%	2300mA	2050mA	0.045ohm ±20%	100MHz	Kit
LQH32PN1R5NN0☐	1.5µH±30%	1750mA	1750mA	0.057ohm ±20%	70MHz	Kit
LQH32PN2R2NN0☐	2.2µH±30%	1550mA	1600mA	0.076ohm ±20%	70MHz	Kit
LQH32PN3R3NN0☐	3.3µH±30%	1250mA	1200mA	0.12ohm ±20%	50MHz	Kit
LQH32PN4R7NN0☐	4.7µH±30%	1000mA	1000mA	0.18ohm ±20%	40MHz	Kit
LQH32PN6R8NN0☐	6.8µH±30%	850mA	850mA	0.24ohm ±20%	40MHz	Kit
LQH32PN100MN0☐	10µH±20%	750mA	700mA	0.38ohm ±20%	30MHz	Kit
LQH32PN150MN0☐	15µH±20%	600mA	520mA	0.57ohm ±20%	20MHz	Kit
LQH32PN220MN0☐	22µH±20%	500mA	450mA	0.81ohm ±20%	20MHz	Kit
LQH32PN330MN0☐	33µH±20%	380mA	390mA	1.15ohm ±20%	13MHz	Kit
LQH32PN470MN0☐	47µH±20%	330mA	310mA	1.78ohm ±20%	11MHz	Kit
LQH32PN680MN0☐	68µH±20%	280mA	275mA	2.28ohm ±20%	11MHz	Kit
LQH32PN101MN0☐	100µH±20%	180mA	250mA	2.70ohm ±20%	8MHz	Kit
LQH32PN121MN0☐	120µH±20%	170mA	200mA	4.38ohm ±20%	8MHz	Kit

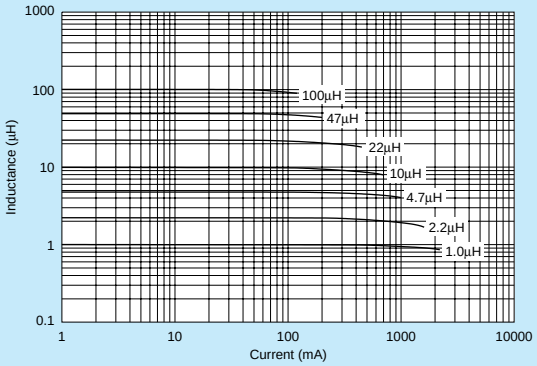
Test Frequency: 1MHz Class of Magnetic Shield: Magnetic shield of magnetic powder in resin
Operating Temperature Range (Self-temperature rise is included): -40°C to +125°C
Operating Temperature Range (Self-temperature rise is not included): -40°C to +85°C
Only for reflow soldering.
*1 When Rated Current is applied to the Products, Inductance will be within ±30% of nominal Inductance value.
*2 When Rated Current is applied to the Products, self-generation of heat will rise to 40°C or less.

Continued on the following page.

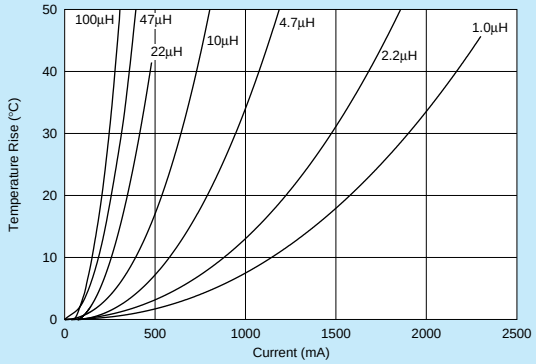
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



Wire Wound Magnetic Type for Voltage Conversion

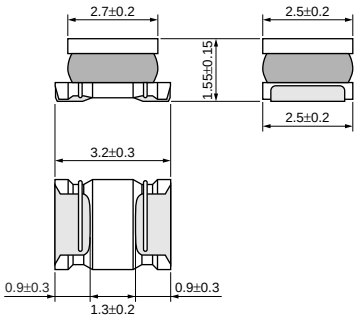
LQH32P_NC

LQH32P_NC Series (1210 Size)

Thickness 1.7mm max. | Magnetic Resin Shield | Reflow OK | New

Bias Current Characteristics Improved

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	2000
K	330mm Embossed Tape	7500

Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (☐: packaging code)

Part Number	Inductance	Rated Current *1 (Based on Inductance Change)	Rated Current *2 (Based on Temperature Rise)	DC Resistance	Self Resonance Frequency (min.)	
LQH32PNR47NNC☐	0.47µH±30%	4400mA	2900mA	0.024ohm ±20%	100MHz	New
LQH32PN1R0NNC☐	1.0µH±30%	3000mA	2500mA	0.036ohm ±20%	100MHz	New
LQH32PN1R5NNC☐	1.5µH±30%	2600mA	2100mA	0.053ohm ±20%	70MHz	New
LQH32PN2R2NNC☐	2.2µH±30%	2000mA	1850mA	0.064ohm ±20%	70MHz	New
LQH32PN3R3NNC☐	3.3µH±30%	1900mA	1550mA	0.100ohm ±20%	50MHz	New
LQH32PN4R7NNC☐	4.7µH±30%	1600mA	1200mA	0.155ohm ±20%	40MHz	New
LQH32PN6R8NNC☐	6.8µH±30%	1300mA	1100mA	0.220ohm ±20%	40MHz	New
LQH32PN100MNC☐	10µH±20%	1000mA	900mA	0.295ohm ±20%	30MHz	New
LQH32PN150MNC☐	15µH±20%	800mA	700mA	0.475ohm ±20%	20MHz	New
LQH32PN220MNC☐	22µH±20%	650mA	550mA	0.685ohm ±20%	20MHz	New

Test Frequency: 1MHz Class of Magnetic Shield: Magnetic shield of magnetic powder in resin
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 +85°C
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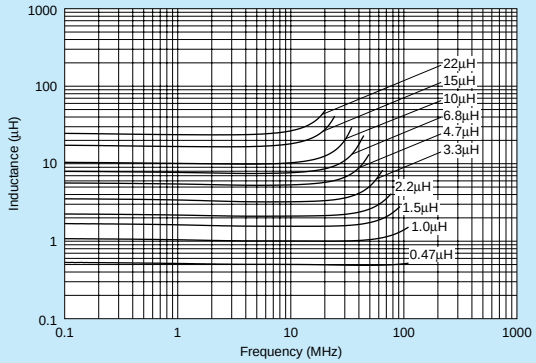
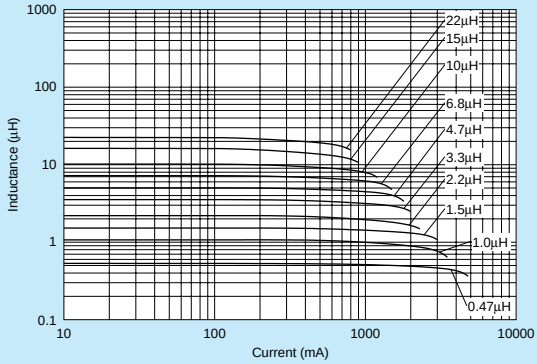
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



Continued on the following page.

⚠Note • Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog 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.

■ Temperature Rise Characteristics (Typ.)