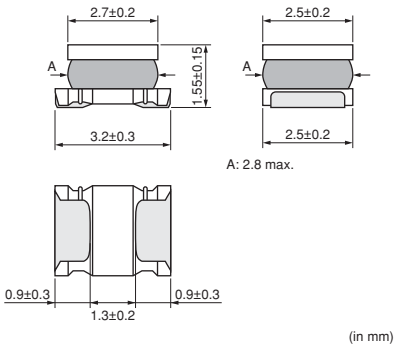
LQH32PB_N0 Series 1210/3225 (inch/mm)

General | Wound (Shield) | Thickness 1.7mm max. | Reflow OK | RoHS

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
L	ø180mm Embossed Taping	2000
K	ø330mm Embossed Taping	7500

■ Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Rated Current (Based on Inductance Change)	Rated Current (Based on Temperature Rise)		DC Resistance	Self-Resonance Frequency (min.)
				Ambient temperature 85°C	Ambient temperature 105°C		
LQH32PBR47NN0□	0.47μH ±30%	1MHz	3400mA	2550mA	1600mA	0.030Ω ±20%	100MHz
LQH32PB1R0NN0□	1.0μH ±30%	1MHz	2300mA	2050mA	1320mA	0.045Ω ±20%	100MHz
LQH32PB1R5NN0□	1.5μH ±30%	1MHz	1750mA	1750mA	1010mA	0.057Ω ±20%	70MHz
LQH32PB2R2NN0□	2.2μH ±30%	1MHz	1550mA	1600mA	970mA	0.076Ω ±20%	70MHz
LQH32PB3R3NN0□	3.3μH ±30%	1MHz	1250mA	1200mA	670mA	0.12Ω ±20%	50MHz
LQH32PB4R7NN0□	4.7μH ±30%	1MHz	1000mA	1000mA	530mA	0.18Ω ±20%	40MHz
LQH32PB6R8NN0□	6.8μH ±30%	1MHz	850mA	850mA	510mA	0.24Ω ±20%	40MHz
LQH32PB100MN0□	10μH ±20%	1MHz	750mA	700mA	380mA	0.38Ω ±20%	30MHz
LQH32PB150MN0□	15μH ±20%	1MHz	600mA	520mA	320mA	0.57Ω ±20%	20MHz
LQH32PB220MN0□	22μH ±20%	1MHz	500mA	450mA	240mA	0.81Ω ±20%	20MHz
LQH32PB330MN0□	33μH ±20%	1MHz	380mA	390mA	190mA	1.15Ω ±20%	13MHz
LQH32PB470MN0□	47μH ±20%	1MHz	330mA	310mA	140mA	1.78Ω ±20%	11MHz
LQH32PB680MN0□	68μH ±20%	1MHz	280mA	275mA	120mA	2.28Ω ±20%	11MHz
LQH32PB101MN0□	100μH ±20%	1MHz	180mA	250mA	110mA	2.7Ω ±20%	8MHz
LQH32PB121MN0□	120μH ±20%	1MHz	170mA	200mA	80mA	4.38Ω ±20%	8MHz

Class of Magnetic Shield: Magnetic shield of magnetic powder in resin
Operating Temperature Range (Self-temperature rise is included): -40～125℃
Operating Temperature Range (Self-temperature rise is not included): -40～105℃
For reflow soldering only.

■ Notice (Rating)

When applied rated current to the products, inductance will be within ±30% of nomonal inductance value.
When applied rated current to the products, temperature rise caused by self-generated heat shall be limited to 40°C max.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

Continued on the following page.

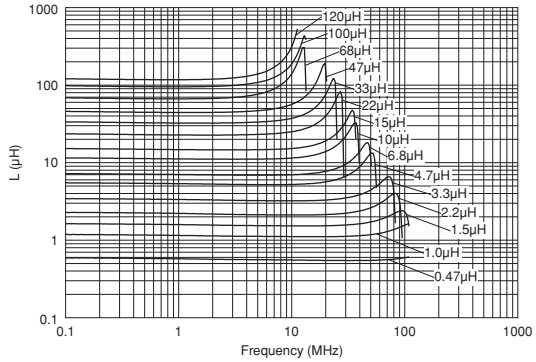
●This data sheet is applied for INDUCTORS (COILS) used for General Electronics equipment for your design.

⚠Note:

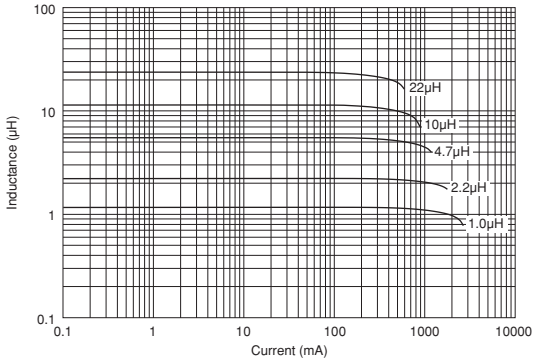
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

Continued from the preceding page.

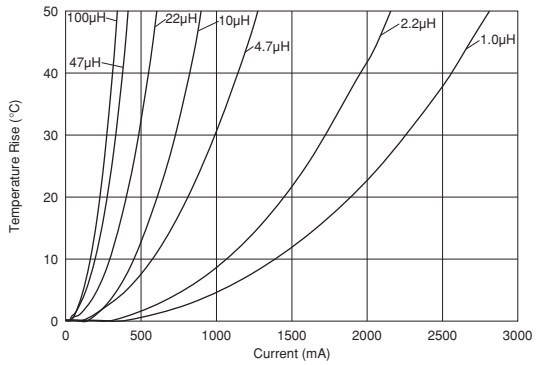
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



■ ⚠Caution/Notice

⚠Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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