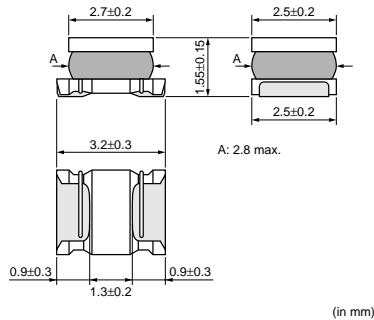


Chip Inductors (Chip Coils) for DC-DC Converter Wire Wound Type

LQH32P_N0 Series (1210 Size)

Dimension



Packaging

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

Rated Value (□: packaging code)

Part Number	Inductance	Inductance Test Frequency	Allowable DC Current (Based on Temperature Rise)	Allowable DC Current (Based on Inductance Change)	DC Resistance	Self Resonance Frequency (min.)	Class of Magnetic Shield
LQH32PNR47NNO□	0.47 μ H \pm 30%	1MHz	2550mA	3400mA	0.03ohm \pm 20%	100MHz	Magnetic shield of magnetic powder in resin
LQH32PN1R0NNO□	1.0 μ H \pm 30%	1MHz	2050mA	2300mA	0.045ohm \pm 20%	100MHz	Magnetic shield of magnetic powder in resin
LQH32PN1R5NNO□	1.5 μ H \pm 30%	1MHz	1750mA	1750mA	0.057ohm \pm 20%	70MHz	Magnetic shield of magnetic powder in resin
LQH32PN2R2NNO□	2.2 μ H \pm 30%	1MHz	1600mA	1550mA	0.076ohm \pm 20%	70MHz	Magnetic shield of magnetic powder in resin
LQH32PN3R3NNO□	3.3 μ H \pm 30%	1MHz	1200mA	1250mA	0.12ohm \pm 20%	50MHz	Magnetic shield of magnetic powder in resin
LQH32PN4R7NNO□	4.7 μ H \pm 30%	1MHz	1000mA	1000mA	0.18ohm \pm 20%	40MHz	Magnetic shield of magnetic powder in resin
LQH32PN6R8NNO□	6.8 μ H \pm 30%	1MHz	850mA	850mA	0.24ohm \pm 20%	40MHz	Magnetic shield of magnetic powder in resin
LQH32PN100MNO□	10 μ H \pm 20%	1MHz	700mA	750mA	0.38ohm \pm 20%	30MHz	Magnetic shield of magnetic powder in resin
LQH32PN220MNO□	22 μ H \pm 20%	1MHz	450mA	500mA	0.81ohm \pm 20%	20MHz	Magnetic shield of magnetic powder in resin

Operating Temperature Range: -40°C to +85°C
Only for reflow soldering.

Notice (Allowable DC Current)

<Allowable DC Current>

When Allowable DC Current is applied to the Products, self-generation of heat will rise to 40°C or less.

When Allowable DC Current is applied to the Products, Inductance will be within +30% of nominal Inductance value.

Continued on the following page.

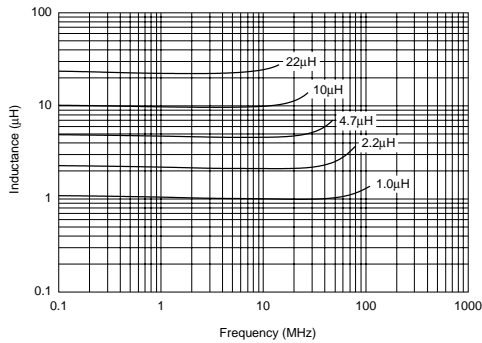
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

Note:

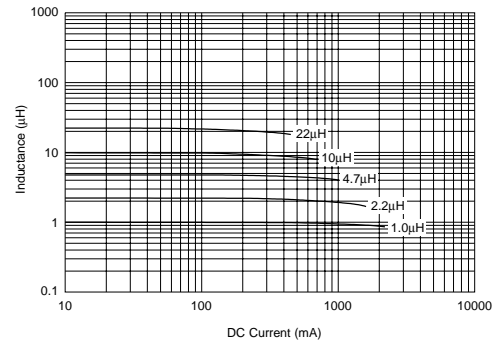
1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet 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.)



■ ⚠ 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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