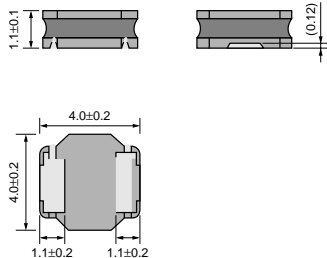


Chip Inductor (Chip Coil) Power Inductor (Wire Wound Type)

LQH44P_J0 Series (1515 Size)

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	1000
K	330mm Embossed Tape	3500

■ 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
LQH44PN1R0NJ0□	1.0μH±30%	100kHz	1530mA	2000mA	0.048ohm±20%	120MHz	Magnetic shield of magnetic powder in resin
LQH44PN1R5MJ0□	1.5μH±20%	100kHz	1380mA	1600mA	0.061ohm±20%	90MHz	Magnetic shield of magnetic powder in resin
LQH44PN2R2MJ0□	2.2μH±20%	100kHz	1230mA	1320mA	0.074ohm±20%	68MHz	Magnetic shield of magnetic powder in resin
LQH44PN3R3MJ0□	3.3μH±20%	100kHz	1000mA	900mA	0.088ohm±20%	55MHz	Magnetic shield of magnetic powder in resin
LQH44PN4R7MJ0□	4.7μH±20%	100kHz	980mA	840mA	0.117ohm±20%	50MHz	Magnetic shield of magnetic powder in resin
LQH44PN6R8MJ0□	6.8μH±20%	100kHz	860mA	720mA	0.143ohm±20%	38MHz	Magnetic shield of magnetic powder in resin
LQH44PN100MJ0□	10μH±20%	100kHz	790mA	560mA	0.207ohm±20%	30MHz	Magnetic shield of magnetic powder in resin
LQH44PN150MJ0□	15μH±20%	100kHz	610mA	430mA	0.385ohm±20%	25MHz	Magnetic shield of magnetic powder in resin
LQH44PN220MJ0□	22μH±20%	100kHz	550mA	400mA	0.480ohm±20%	18MHz	Magnetic shield of magnetic powder in resin
LQH44PN330MJ0□	33μH±20%	100kHz	430mA	360mA	0.740ohm±20%	15MHz	Magnetic shield of magnetic powder in resin
LQH44PN470MJ0□	47μH±20%	100kHz	380mA	300mA	1.014ohm±20%	13MHz	Magnetic shield of magnetic powder in resin

Operating Temperature Range: -40 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.

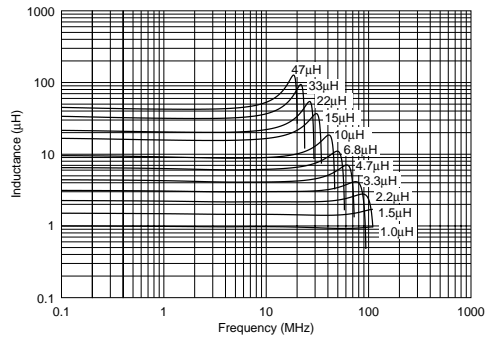
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

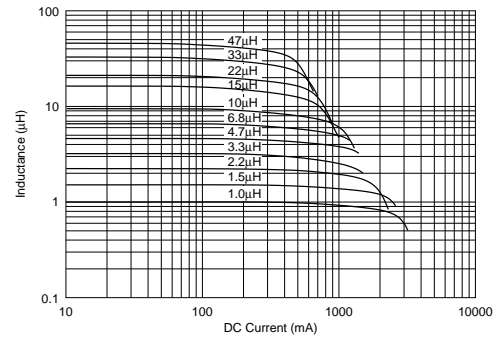
- This datasheet is downloaded from the website of Murata Manufacturing co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- This datasheet has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

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

Note:

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