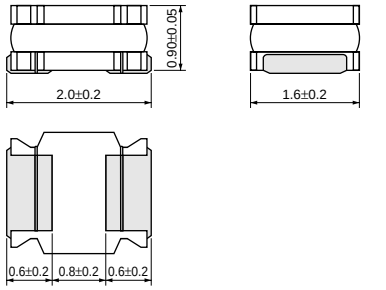
Chip Inductor (Chip Coil) Power Inductor (Wire Wound Type)

LQH2MC_02 Series (0806 Size)

■ Dimensions



(in mm)

■ Packaging

Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	3000
B	Bulk(Bag)	100

■ Rated Value (☐: packaging code)

Part Number	Inductance	Rated Current (Based on Inductance Change)	Rated Current (Based on Temperature Rise)	DC Resistance	Self Resonance Frequency (min.)
LQH2MCN1R0M02☐	1.0µH±20%	-	485mA	0.30ohm±30%	100MHz
LQH2MCN1R5M02☐	1.5µH±20%	-	445mA	0.40ohm±30%	95MHz
LQH2MCN2R2M02☐	2.2µH±20%	-	425mA	0.48ohm±30%	70MHz
LQH2MCN3R3M02☐	3.3µH±20%	-	375mA	0.60ohm±30%	65MHz
LQH2MCN4R7M02☐	4.7µH±20%	-	300mA	0.8ohm±30%	60MHz
LQH2MCN5R6M02☐	5.6µH±20%	-	280mA	0.9ohm±30%	60MHz
LQH2MCN6R8M02☐	6.8µH±20%	-	255mA	1.0ohm±30%	55MHz
LQH2MCN8R2M02☐	8.2µH±20%	-	235mA	1.1ohm±30%	50MHz
LQH2MCN100K02☐	10µH±10%	-	225mA	1.2ohm±30%	48MHz
LQH2MCN120K02☐	12µH±10%	-	210mA	1.4ohm±30%	44MHz
LQH2MCN150K02☐	15µH±10%	-	200mA	1.6ohm±30%	40MHz
LQH2MCN180K02☐	18µH±10%	-	190mA	1.8ohm±30%	35MHz
LQH2MCN220K02☐	22µH±10%	-	185mA	2.1ohm±30%	30MHz
LQH2MCN270K02☐	27µH±10%	-	180mA	2.5ohm±30%	30MHz
LQH2MCN330K02☐	33µH±10%	-	160mA	2.8ohm±30%	28MHz
LQH2MCN390K02☐	39µH±10%	-	125mA	4.4ohm±30%	24MHz
LQH2MCN470K02☐	47µH±10%	-	120mA	5.1ohm±30%	18MHz
LQH2MCN560K02☐	56µH±10%	-	110mA	5.7ohm±30%	17MHz
LQH2MCN680K02☐	68µH±10%	-	100mA	6.6ohm±30%	14MHz
LQH2MCN820K02☐	82µH±10%	-	90mA	7.5ohm±30%	14MHz

Test Frequency: 1MHz Class of Magnetic Shield: No magnetic shield
Operating Temperature Range (Self-temperature rise is not included): -40°C to +85°C
Only for reflow soldering.

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.

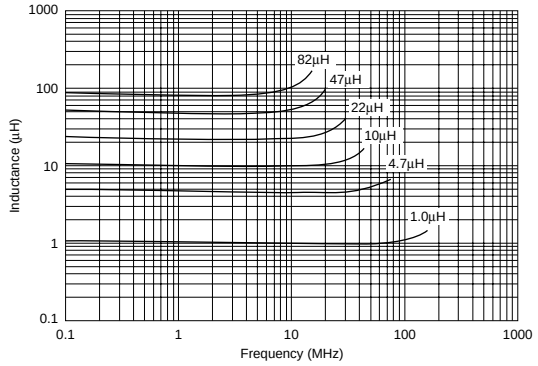
muRata Murata Manufacturing Co., Ltd.
http://www.murata.com/

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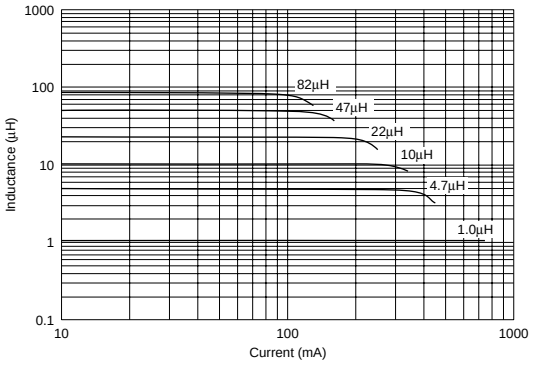
■ Notice (Rated Current)

<Rated Current>
(Based on Temperature Rise)
When Rated Current is applied to the Products,
self-generation of heat will rise to 40°C or less.

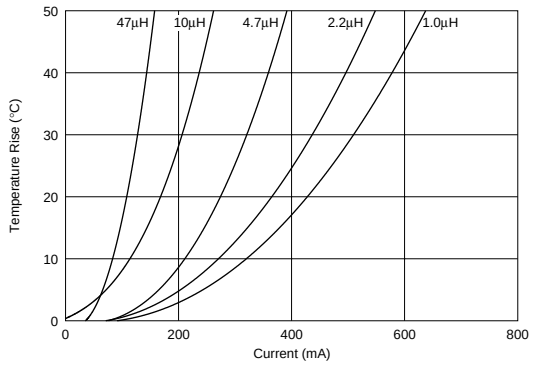
■ Inductance-Frequency Characteristics (Typ.)



■ 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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