

# Chip Inductors (Chip Coils) for DC-DC Converter Monolithic Type

## LQM2HP\_G0 Series (1008 Size)

### Dimension



(in mm)

### Packaging

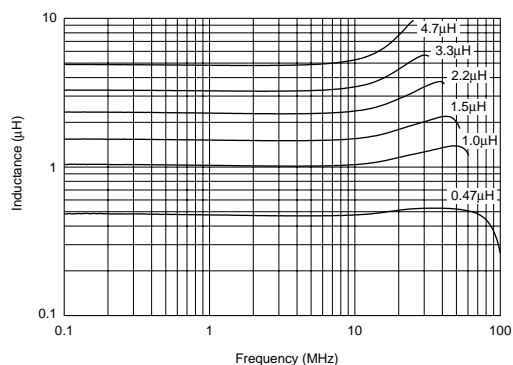
Code	Packaging	Minimum Quantity
L	180mm Embossed Tape	3000
B	Bulk(Bag)	1000

### Rated Value (□: packaging code)

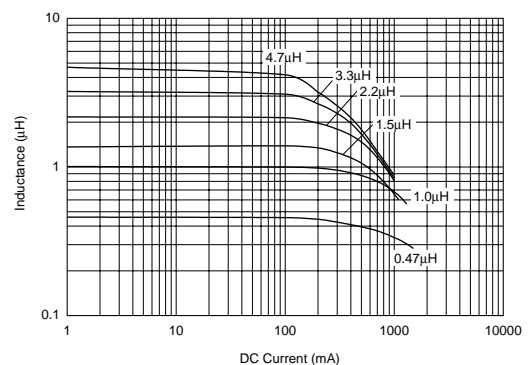
Part Number	Inductance	Test Frequency	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Class of Magnetic Shield
LQM2HPNR47MG0□	0.47 $\mu$ H $\pm$ 20%	1MHz	1800mA	0.04ohm $\pm$ 25%	100MHz	Magnetic shield of ferrite
LQM2HPN1R0MG0□	1.0 $\mu$ H $\pm$ 20%	1MHz	1600mA	0.055ohm $\pm$ 25%	60MHz	Magnetic shield of ferrite
LQM2HPN1R5MG0□	1.5 $\mu$ H $\pm$ 20%	1MHz	1500mA	0.07ohm $\pm$ 25%	50MHz	Magnetic shield of ferrite
LQM2HPN2R2MG0□	2.2 $\mu$ H $\pm$ 20%	1MHz	1300mA	0.08ohm $\pm$ 25%	40MHz	Magnetic shield of ferrite
LQM2HPN3R3MG0□	3.3 $\mu$ H $\pm$ 20%	1MHz	1200mA	0.10ohm $\pm$ 25%	30MHz	Magnetic shield of ferrite
LQM2HPN4R7MG0□	4.7 $\mu$ H $\pm$ 20%	1MHz	1100mA	0.11ohm $\pm$ 25%	25MHz	Magnetic shield of ferrite

Operating Temperature Range: -55°C to +125°C

### Inductance - Frequency Characteristics



### Inductance - Current Characteristics




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.

### ■ 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:

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.