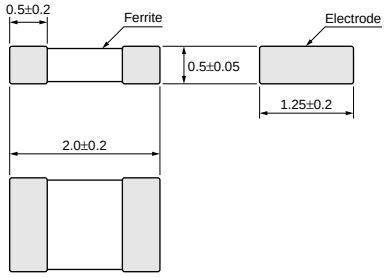
Chip Inductors (Chip Coils) for DC-DC Converter Monolithic Type

LQM21P Series (0805 Size)

■ Dimension



(in mm)

■ Packaging

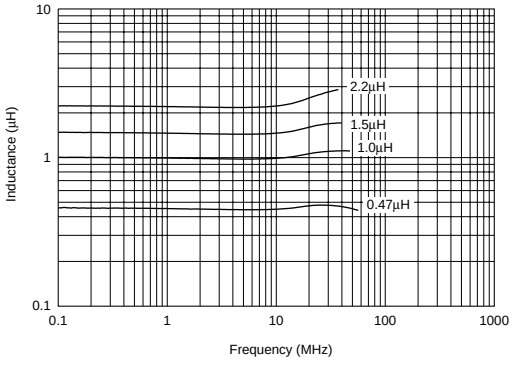
Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000

■ Rated Value (☐: packaging code)

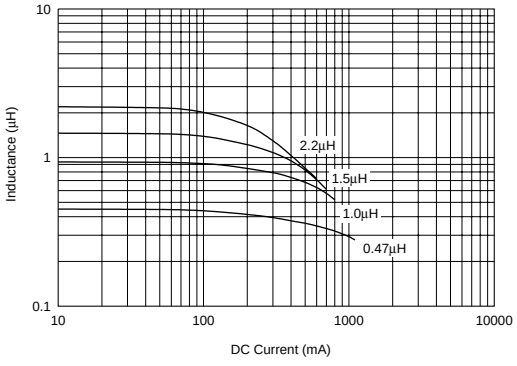
Part Number	Inductance	Test Frequency	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Class of Magnetic Shield
LQM21PNR47MC0☐	0.47µH±20%	1MHz	1100mA	0.12ohm±25%	100MHz	Magnetic shield of ferrite
LQM21PN1R0MC0☐	1.0µH±20%	1MHz	800mA	0.19ohm±25%	90MHz	Magnetic shield of ferrite
LQM21PN1R5MC0☐	1.5µH±20%	1MHz	700mA	0.26ohm±25%	70MHz	Magnetic shield of ferrite
LQM21PN2R2MC0☐	2.2µH±20%	1MHz	600mA	0.34ohm±25%	50MHz	Magnetic shield of ferrite

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

■ Inductance - Frequency Characteristics



■ Inductance - Current Characteristics



■ ⚠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.