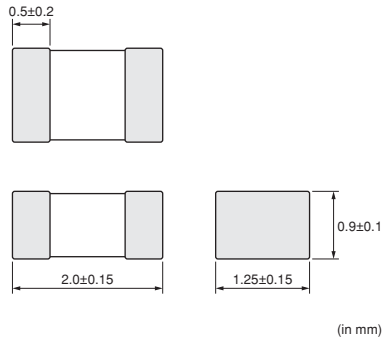


# Chip Inductor (Chip Coil) Power Inductor (Multilayer Type)

## LQM21P\_G0 Series (0805 Size)

### ■ Dimensions



### ■ Packaging

Code	Packaging	Minimum Quantity
D	180mm Paper Tape	4000
B	Bulk(Bag)	1000

### ■ Rated Value (□: packaging code)

Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)
LQM21PNR47MG0□	0.47μH ±20%	1300mA	0.075ohm ±25%	100MHz
LQM21PNR54MG0□	0.54μH ±20%	1300mA	0.075ohm ±25%	100MHz
LQM21PN3R3MG0□	3.3μH ±20%	800mA	0.165ohm ±25%	30MHz
LQM21PN3R3NG0□	3.3μH ±30%	800mA	0.165ohm ±25%	30MHz

Test Frequency: 1MHz    Class of Magnetic Shield: Magnetic shield of ferrite    Operating Temperature Range: -55 to +125°C

### ■ Derating of Rated Current

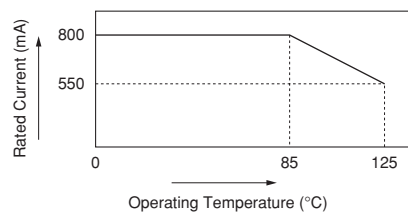
#### ■ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQM21PN3R3MG0/LQM21PN3R3NG0.

Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

(LQM21PN3R3MG0/LQM21PN3R3NG0)



Continued on the following page.

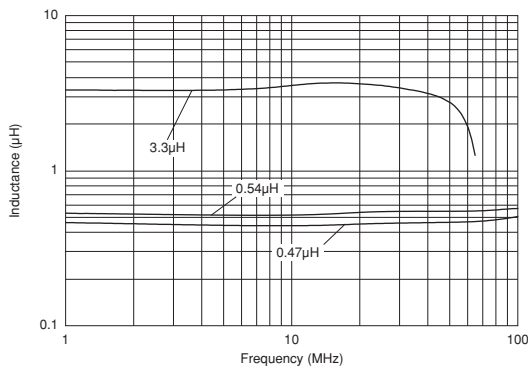
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

#### ⚠ Note:

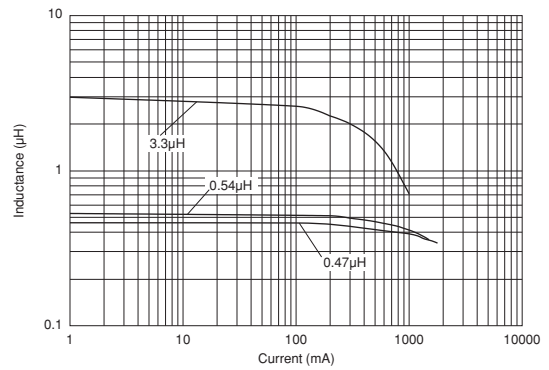
1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet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

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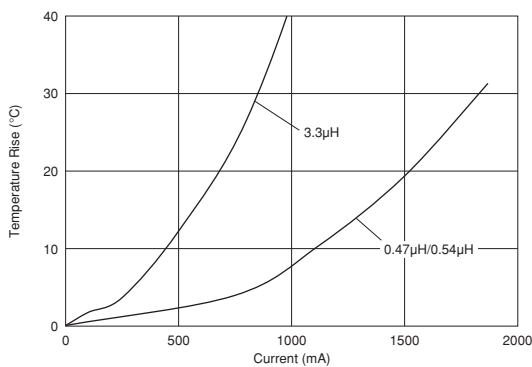
### ■ Inductance-Frequency Characteristics (Typ.)



### ■ 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.

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

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