

Excellent Integrated System Limited

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[Murata Electronics North America](#)
[LQM21PNR54MG0D](#)

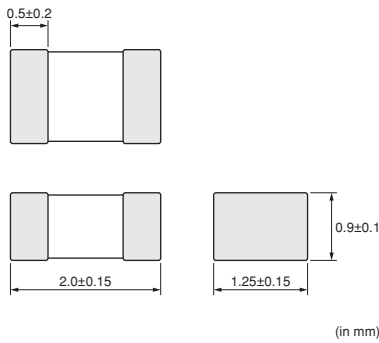
For any questions, you can email us directly:

sales@integrated-circuit.com

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

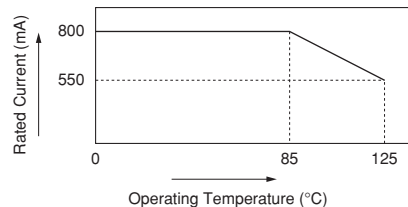
■ Derating of Rated Current

■ 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)



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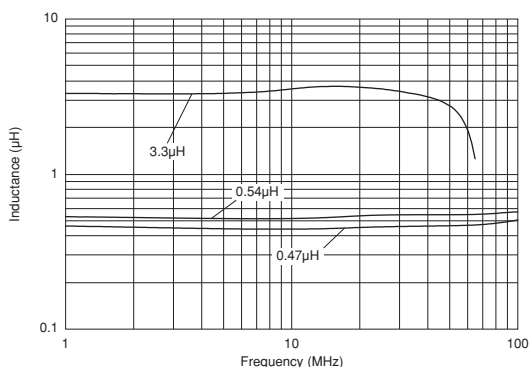
● This data sheet is applied for CHIP INDUCTORS (CHIP COILS) used for General Electronics equipment for your design.

⚠ Note:

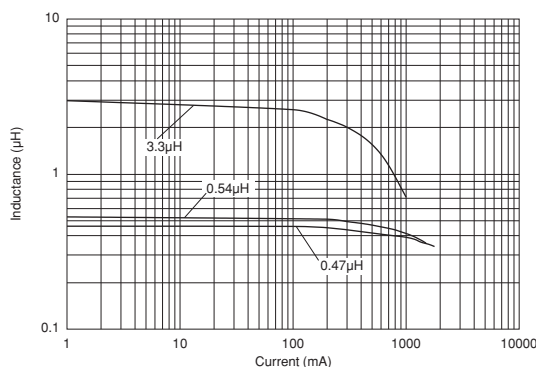
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2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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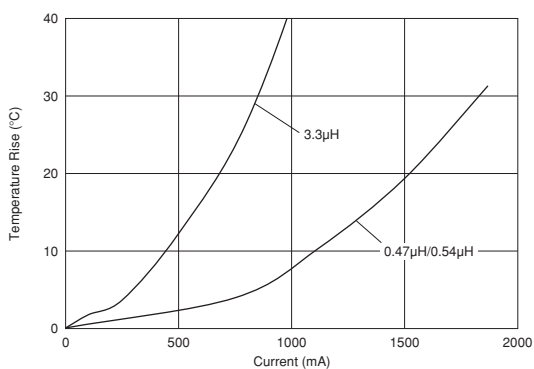
Inductance-Frequency Characteristics (Typ.)



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.

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