

# LQM21P-C0 Series (0805 Size)

LQM21P\_C0

Thickness  
0.55mm  
max.

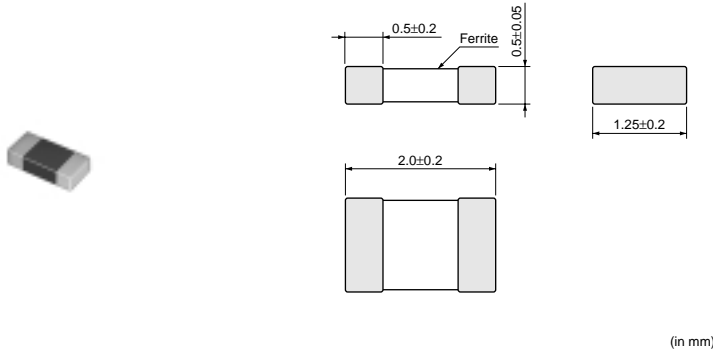
Ferrite  
Core  
Shield

Flow OK

Reflow  
OK

0805 Size, 0.55mm max. Thickness

### ■ Dimensions



### ■ Packaging

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

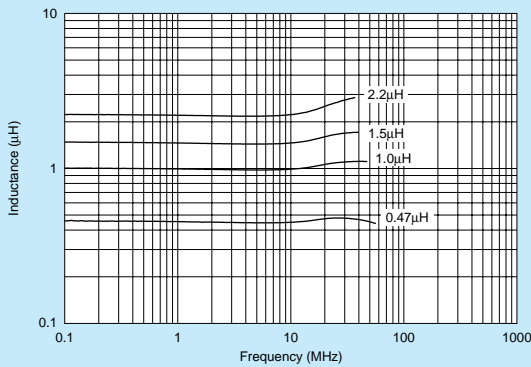
Refer to pages from p.80 to p.83 for mounting information.

### ■ Rated Value (□: packaging code)

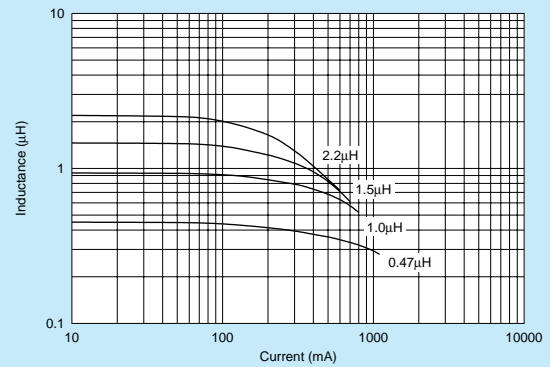
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Operating Temperature Range	
LQM21PNR47MC0□	0.47μH±20%	1100mA	0.12ohm±25%	100MHz	-55°C to +125°C	Kit
LQM21PN1R0MC0□	1.0μH±20%	800mA	0.19ohm±25%	90MHz	-55°C to +125°C	Kit
LQM21PN1R5MC0□	1.5μH±20%	700mA	0.26ohm±25%	70MHz	-55°C to +125°C	Kit
LQM21PN2R2MC0□	2.2μH±20%	600mA	0.34ohm±25%	50MHz	-55°C to +125°C	Kit

Test Frequency: 1MHz Class of Magnetic Shield: Magnetic shield of ferrite

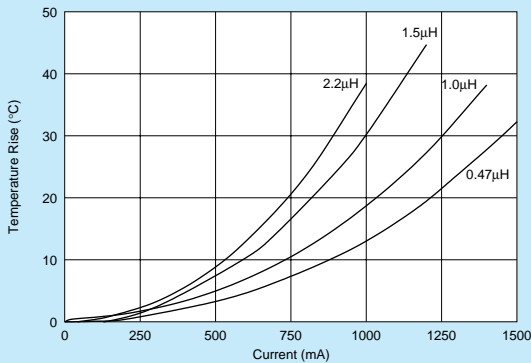
### ■ Inductance-Frequency Characteristics (Typ.)



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



### ■ Temperature Rise Characteristics (Typ.)



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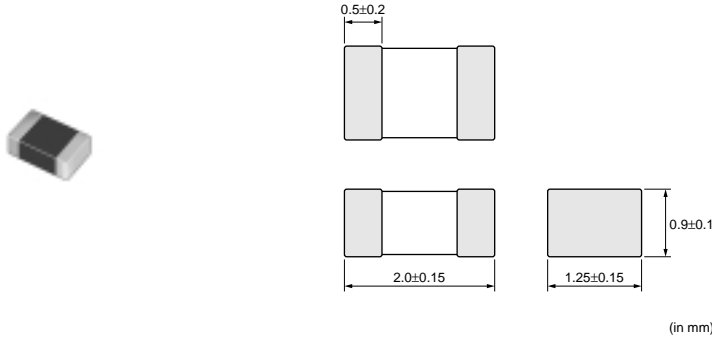
# LQM21P\_G0 Series (0805 Size)

LQM21P\_G0

Thickness <b>1.0mm</b> max.	Ferrite Core Shield	Flow OK	Reflow OK	New
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0805 Size, 1.0mm max. Thickness

### ■ Dimensions



### ■ Packaging

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

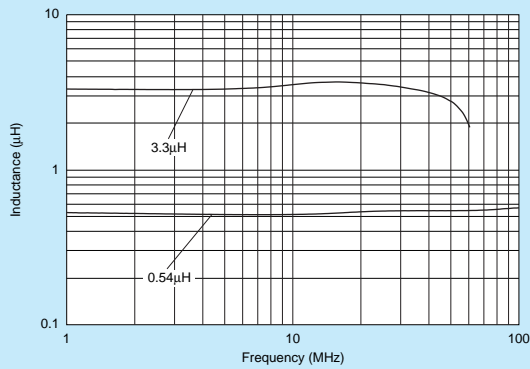
Refer to pages from p.80 to p.83 for mounting information.

### ■ Rated Value (□: packaging code)

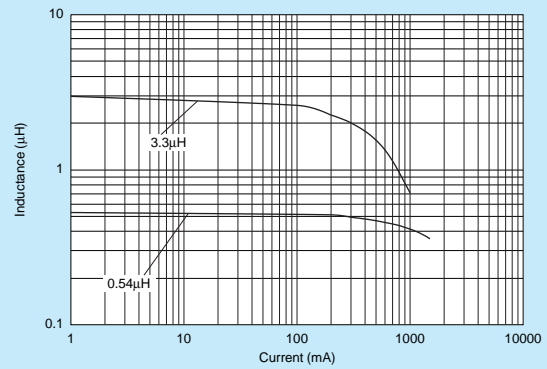
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	
LQM21PNR54MG0□	0.54μH±20%	1300mA	0.075ohm ±25%	100MHz	Kit
LQM21PN3R3MG0□	3.3μH±20%	800mA	0.165ohm ±25%	30MHz	New Kit
LQM21PN3R3NG0□	3.3μH±30%	800mA	0.165ohm ±25%	30MHz	New

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

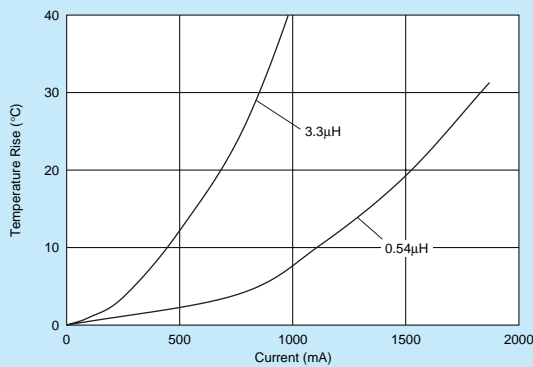
### ■ Inductance-Frequency Characteristics (Typ.)



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



### ■ Temperature Rise Characteristics (Typ.)

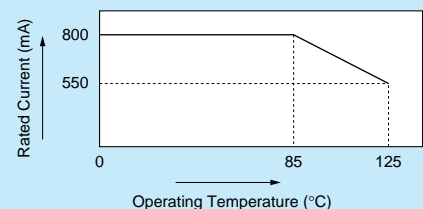


### ■ Notice (Rating)

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

(LQM21PN3R3MG0/LQM21PN3R3NG0)




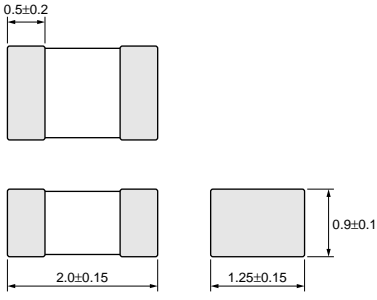
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# LQM21P\_GC Series (0805 Size)

Thickness <b>1.0mm</b> max.	Ferrite Core Shield	Flow OK	Reflow OK	New
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## Bias Current Characteristics Improved

■ Dimensions

(in mm)

■ Packaging

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

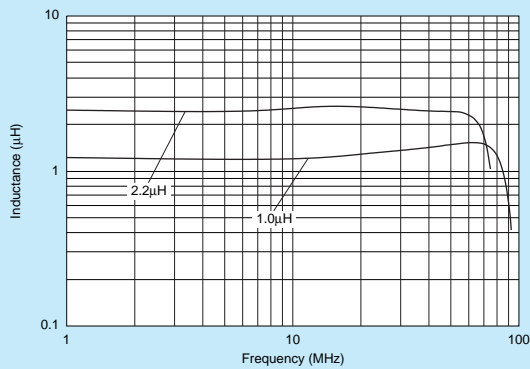
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

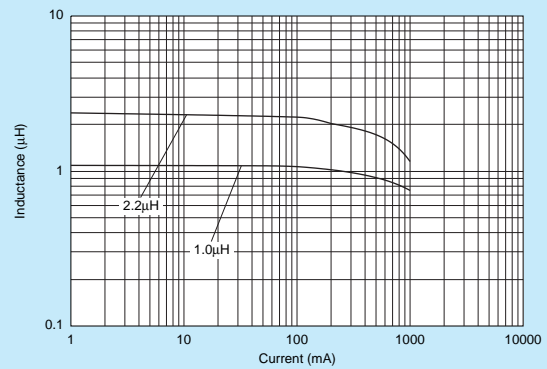
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	
LQM21PN1R0NGC□	1.0μH±30%	0.9A	0.10ohm ±25%	50MHz	New Kit
LQM21PN2R2NGC□	2.2μH±30%	0.8A	0.23ohm ±25%	40MHz	New Kit

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

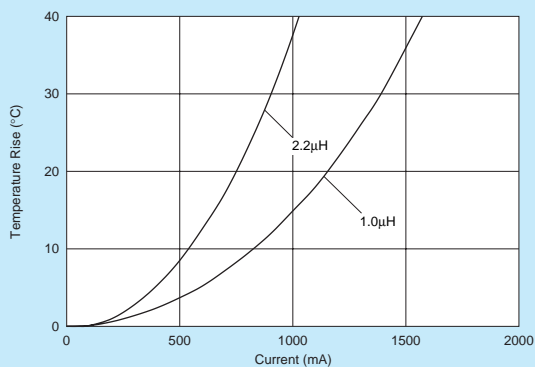
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



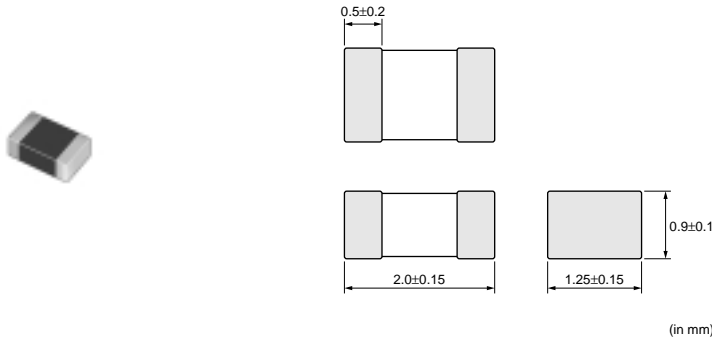
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# LQM21P-GR Series (0805 Size)



## Low DC Resistance Type

### ■ Dimensions



### ■ Packaging

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

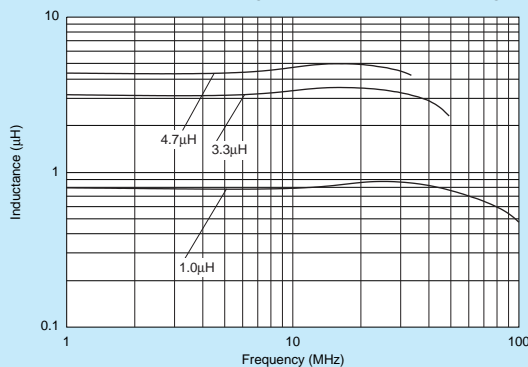
Refer to pages from p.80 to p.83 for mounting information.

### ■ Rated Value (□: packaging code)

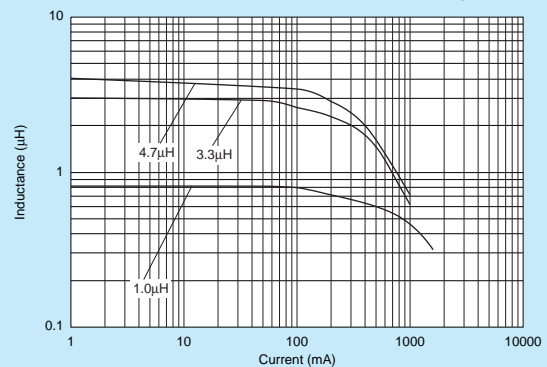
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	
LQM21PN1R0NGR□	1.0μH±30%	1.3A	0.066ohm ±25%	50MHz	New Kit
LQM21PN3R3MGR□	3.3μH±20%	1.0A	0.150ohm ±25%	30MHz	New Kit
LQM21PN3R3NGR□	3.3μH±30%	1.0A	0.150ohm ±25%	30MHz	New
LQM21PN4R7MGR□	4.7μH±20%	0.8A	0.23ohm ±25%	30MHz	New Kit
LQM21PN4R7NGR□	4.7μH±30%	0.8A	0.23ohm ±25%	30MHz	New

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

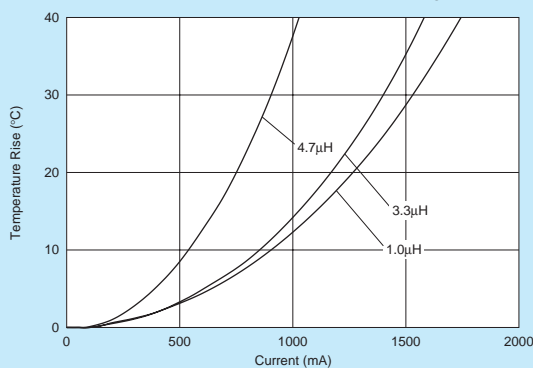
### ■ Inductance-Frequency Characteristics (Typ.)



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



### ■ Temperature Rise Characteristics (Typ.)



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