

LQM2HP-J0 Series (1008 Size)

LQM2HP_J0

Thickness
1.2mm
max.

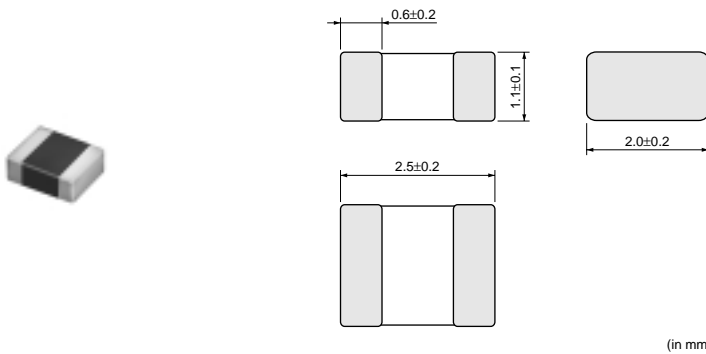
Ferrite
Core
Shield

Flow
OK

Reflow
OK

1008 Size, 1.2mm max. Thickness

■ Dimensions



■ Packaging

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

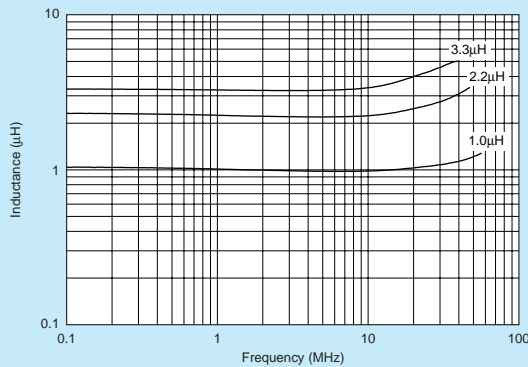
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

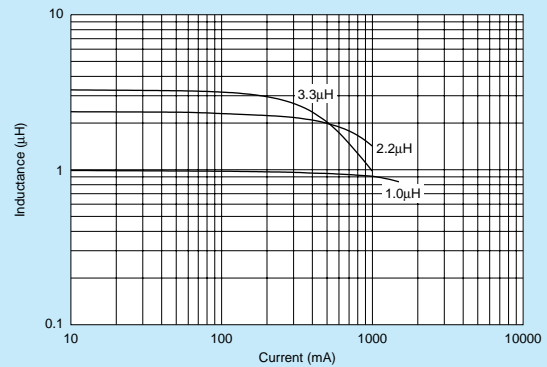
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Operating Temperature Range	
LQM2HPN1R0MJ0□	1.0μH±20%	1500mA	0.09ohm±25%	70MHz	-55°C to +125°C	Kit
LQM2HPN2R2MJ0□	2.2μH±20%	1000mA	0.12ohm±25%	40MHz	-55°C to +125°C	Kit
LQM2HPN3R3MJ0□	3.3μH±20%	1000mA	0.12ohm±25%	30MHz	-55°C to +125°C	Kit

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

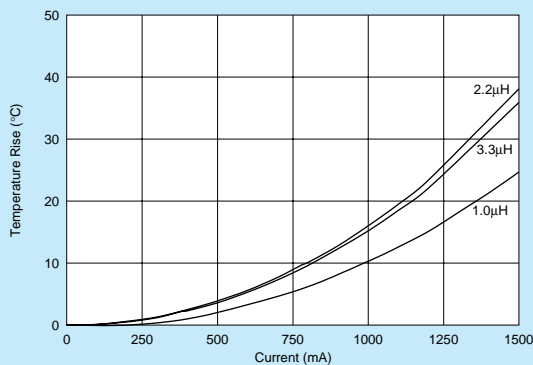
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



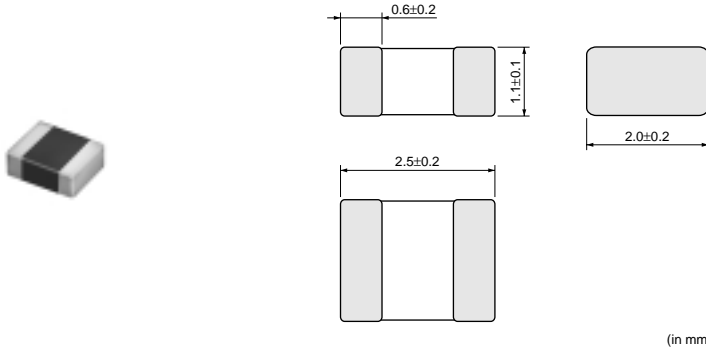
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LQM2HP_JC Series (1008 Size)



Bias Current Characteristics Improved

■ Dimensions



■ Packaging

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

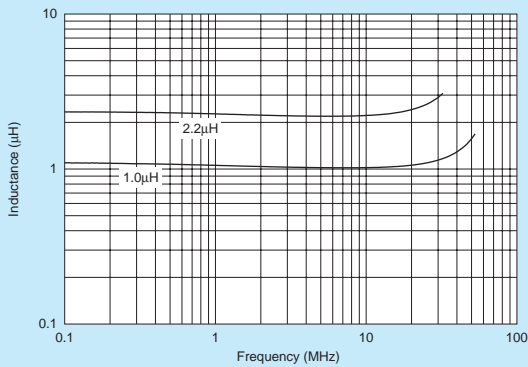
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

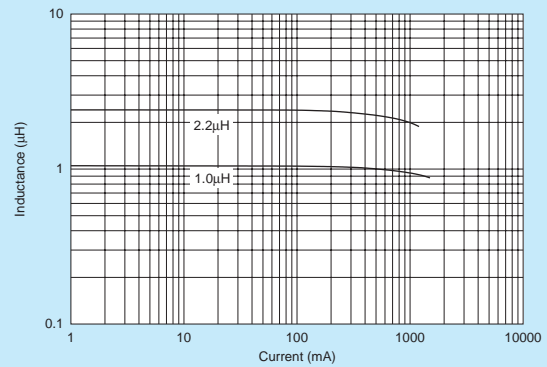
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Operating Temperature Range	
LQM2HPN1R0MJC□	1.0μH±20%	1500mA	0.086ohm±25%	50MHz	-55°C to +125°C	Kit
LQM2HPN2R2NJC□	2.2μH±30%	1000mA	0.175ohm±25%	30MHz	-55°C to +125°C	Kit

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

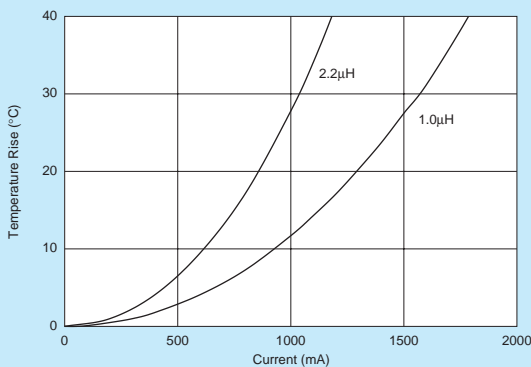
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



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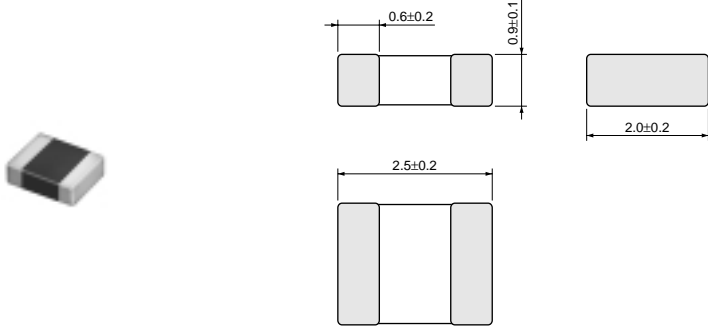
LQM2HP_G0 Series (1008 Size)

LQM2HP_G0



1008 Size, 1.0mm max. Thickness

■ Dimensions



(in mm)

■ Packaging

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

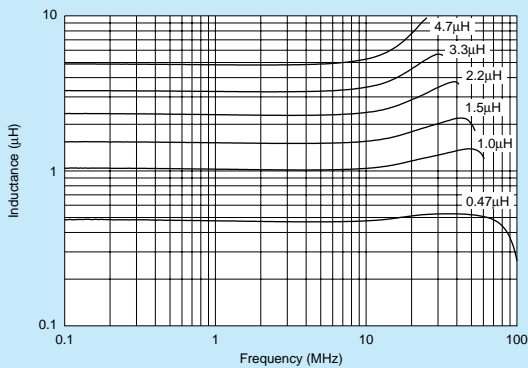
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

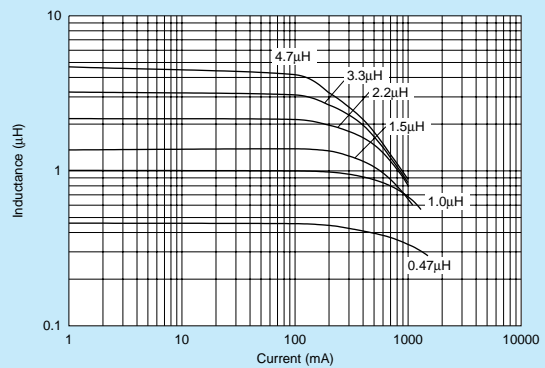
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Operating Temperature Range	
LQM2HPNR47MG0□	0.47μH±20%	1800mA	0.04ohm±25%	100MHz	-55°C to +125°C	Kit
LQM2HPN1R0MG0□	1.0μH±20%	1600mA	0.055ohm±25%	60MHz	-55°C to +125°C	Kit
LQM2HPN1R5MG0□	1.5μH±20%	1500mA	0.07ohm±25%	50MHz	-55°C to +125°C	Kit
LQM2HPN2R2MG0□	2.2μH±20%	1300mA	0.08ohm±25%	40MHz	-55°C to +125°C	Kit
LQM2HPN3R3MG0□	3.3μH±20%	1200mA	0.10ohm±25%	30MHz	-55°C to +125°C	Kit
LQM2HPN4R7MG0□	4.7μH±20%	1100mA	0.11ohm±25%	25MHz	-55°C to +125°C	Kit

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

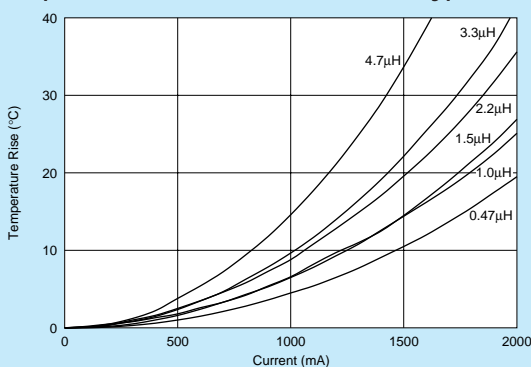
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



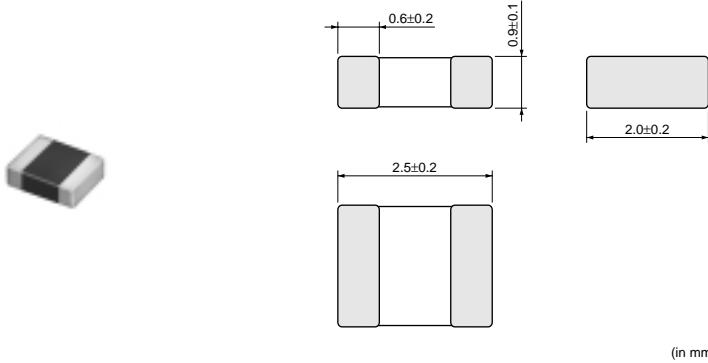
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LQM2HP_GC Series (1008 Size)

Thickness 1.0mm max.	Ferrite Core Shield	Flow OK	Reflow OK	New
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Bias Current Characteristics Improved

■ Dimensions



■ Packaging

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

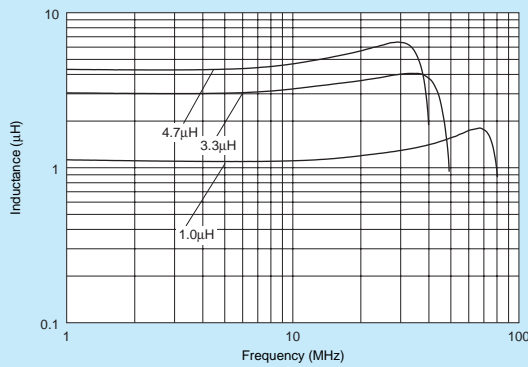
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

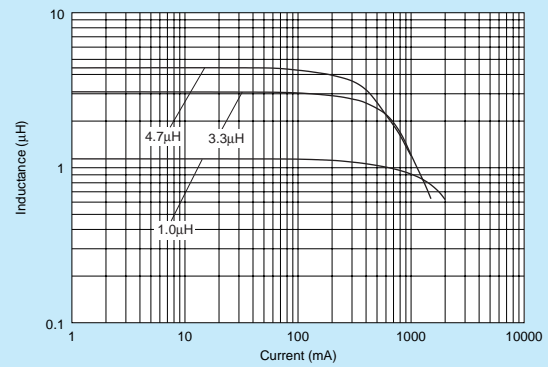
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	Operating Temperature Range	
LQM2HPN1R0MGC□	1.0μH±20%	1500mA	0.08ohm±25%	50MHz	-30°C to +85°C	New Kit
LQM2HPN3R3MGC□	3.3μH±20%	1000mA	0.16ohm±25%	30MHz	-55°C to +125°C	Kit
LQM2HPN4R7MGC□	4.7μH±20%	800mA	0.18ohm±25%	25MHz	-55°C to +125°C	Kit

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

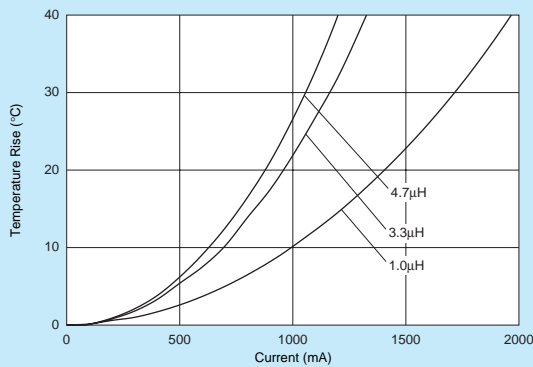
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



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LQM2HP_E0 Series (1008 Size)

LQM2HP_E0

Thickness
0.8mm
max.

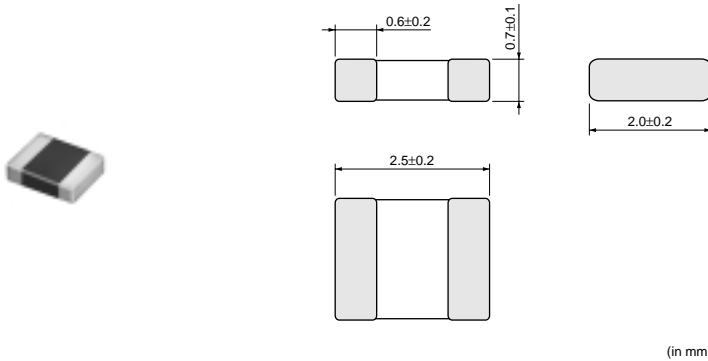
Ferrite
Core
Shield

Flow
OK

Reflow
OK

1008 Size, 0.8mm max. Thickness

■ Dimensions



■ Packaging

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

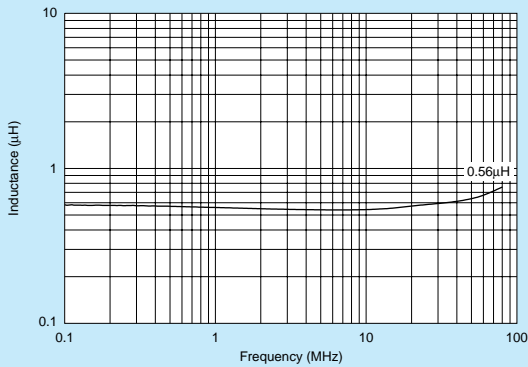
Refer to pages from p.80 to p.83 for mounting information.

■ Rated Value (□: packaging code)

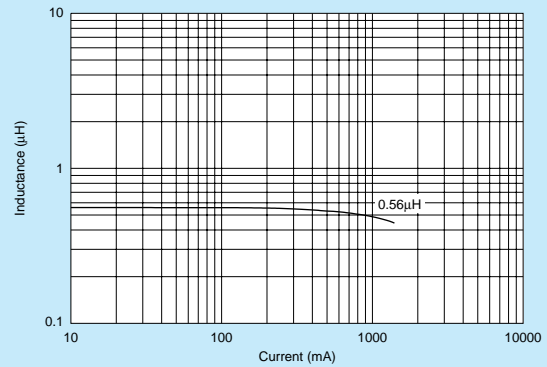
Part Number	Inductance	Rated Current	DC Resistance	Self Resonance Frequency (min.)	
LQM2HPNR56ME0□	0.56μH±20%	1500mA	0.06ohm±25%	70MHz	Kit

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

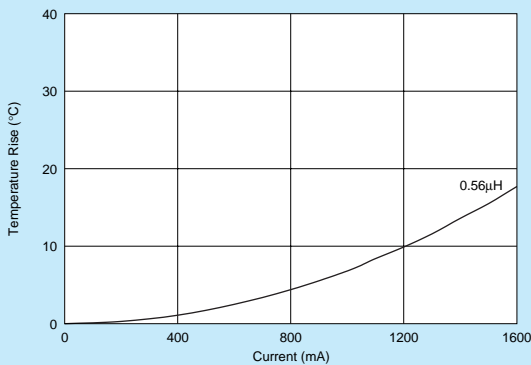
■ Inductance-Frequency Characteristics (Typ.)



■ Inductance-Current Characteristics (Typ.)



■ Temperature Rise Characteristics (Typ.)



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