LQM21PH2R2MGC# "#" indicates a package specification code.













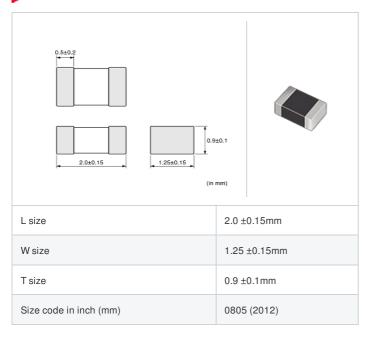






< List of part numbers with package codes > LQM21PH2R2MGCD , LQM21PH2R2MGCB

Shape





In operating temperatures exceeding +85°C, derating of current is necessary for the LQM21P_GC series.

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

Please consider "Notice (Rating)."

When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40 °C max.

References

Packaging code	Specifications	Minimum quantity
D	φ180mm Paper taping	4000
В	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.012g

Specifications

Inductance	2.2µH ±20%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	0.8A(Ambient temp.85°C) 0.6A(Ambient temp.125°C)
Max. of DC resistance	0.288Ω
Avg. of DC resistance	0.23Ω±25%
Self resonance frequency (min.)	40MHz
Operating temperature range	-55°C to 125°C
Class of magnetic shield	Ferrite Core
Series	LQM21PH_GC

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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

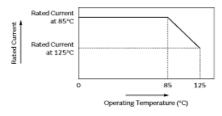


^{2.} This datasheet has only typical specifications because there is no space for detailed specifications



In operating temperatures exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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Attention

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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

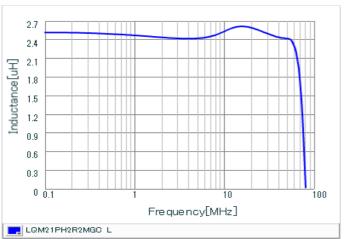
0 j

100 200

LQM21PH2R2MGC DC-Bias, 20

300 400

Inductance-Frequency characteristics (Typ.)

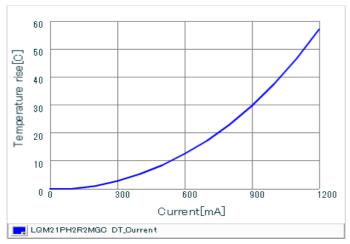




500 600

Current[mA]

Temperature rise characteristics (Typ.)



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