

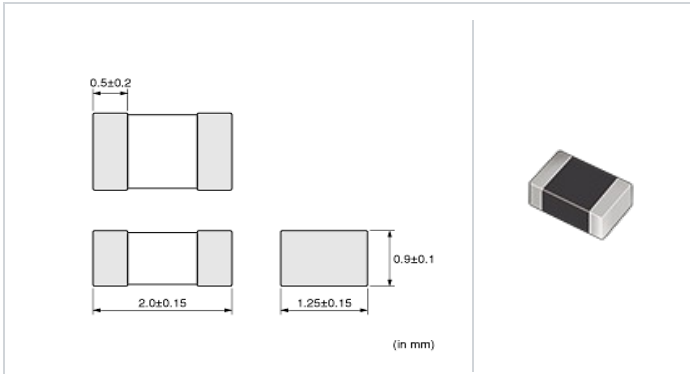
# LQM21PN2R2NGC#

"#" indicates a package specification code.



< List of part numbers with package codes >  
 LQM21PN2R2NGCD , LQM21PN2R2NGCB

## Shape



L size	2.0 ±0.15mm
W size	1.25 ±0.15mm
T size	0.9 ±0.1mm
Size code in inch (mm)	0805 (2012)

## Notes

In operating temperature exceeding +85°C, derating of current is necessary for LQM21P\_GC series.  
 Please apply the derating curve shown in chart according to the operating temperature.  
 Please confirm "Notice (Rating)".  
 When applied Rated current to the Products, 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
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.012g

## Specifications

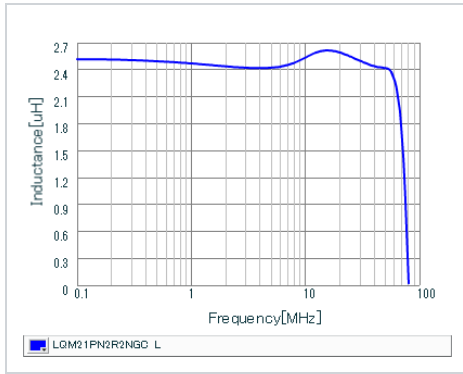
Inductance	2.2μH ±30%
Inductance test frequency	1MHz
Rated current (Itemp) (Based on Temperature rise)	0.8A(Ambient temp.85°C) 0.6A(Ambient temp.125°C)
Max. of DC resistance	0.288Ω
Avg. of DC resistance	0.23Ω±25%
Self resonance frequency (min.)	40MHz
Operating temperature range	-55~125°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_GC

### Attention

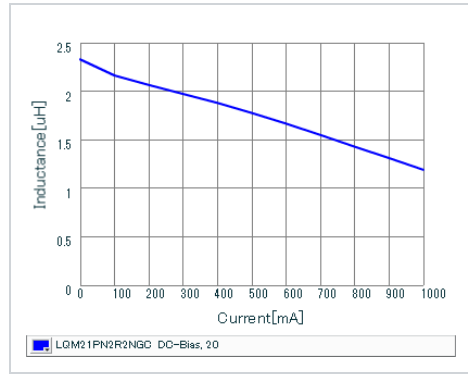
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- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

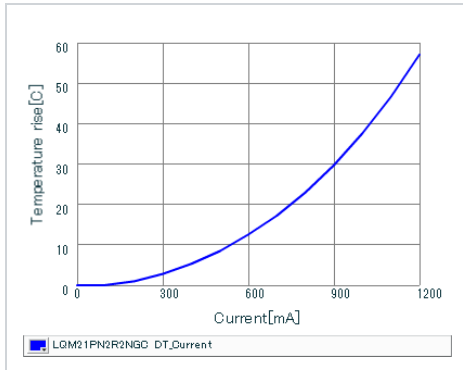
Inductance-Frequency characteristics (Typ.)



Inductance-Current characteristics (Typ.)



Temperature rise characteristics (Typ.)



Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQM21P\_G0/GC/GR/C0 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current

Operating Temperature [°C]	Rated Current [A]
0	Rated Current at 85°C
85	Rated Current at 85°C
125	0

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