

LQM21PN2R2NGC#

“#” indicates a package specification code.

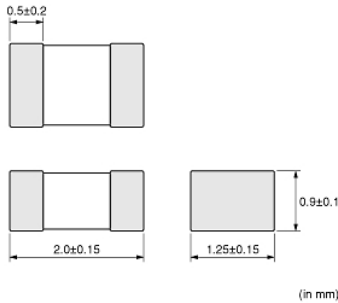
Bias Current Characteristics Improved



< List of part numbers with package codes >

LQM21PN2R2NGCB LQM21PN2R2NGCD

Appearance & Shape



References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| B | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 4000 |

| Mass (typ.) | |
|-------------|--------|
| 1 piece | 0.012g |

Notices

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.

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.

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Specifications

| | |
|--|---|
| L size | 2.0±0.15mm |
| W size | 1.25±0.15mm |
| T size | 0.9±0.1mm |
| Size code inch (mm) | 0805 (2012) |
| 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 |
| Class of magnetic shield | Ferrite Core |
| Self resonance frequency (min.) | 40MHz |
| DC Resistance Intermediate Values | 0.23Ω±25% |
| Operating Temperature Range | -55°C to 125°C |
| Series | LQM21PN_GC |

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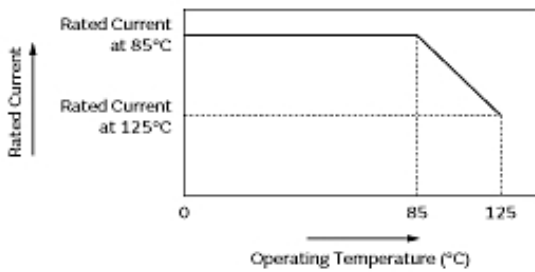
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Notice For General

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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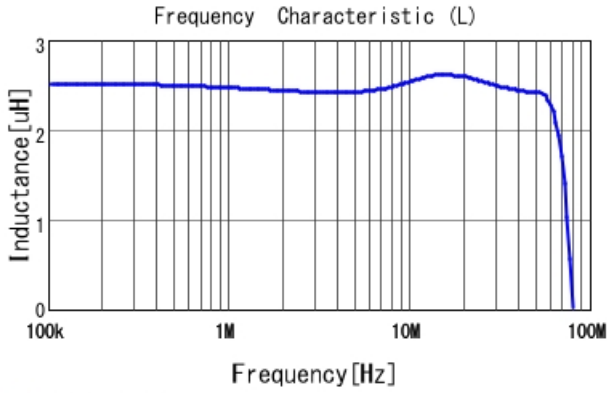
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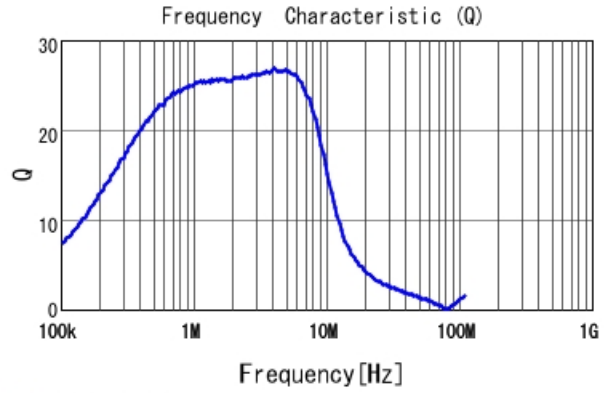


Characteristic Data

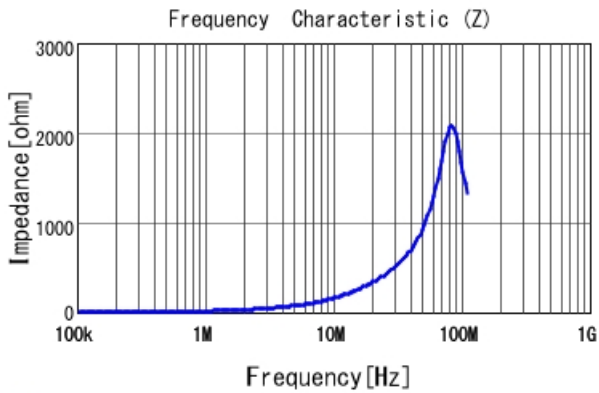
The charts below may show another part number which shares its characteristics.



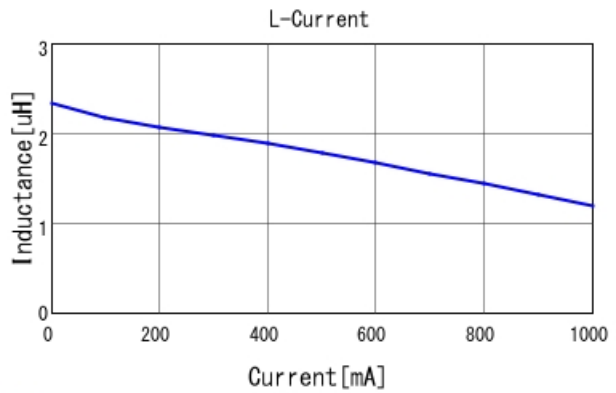
■ LQM21PN2R2NGC L



■ LQM21PN2R2NGC Q



■ LQM21PN2R2NGC |Z|



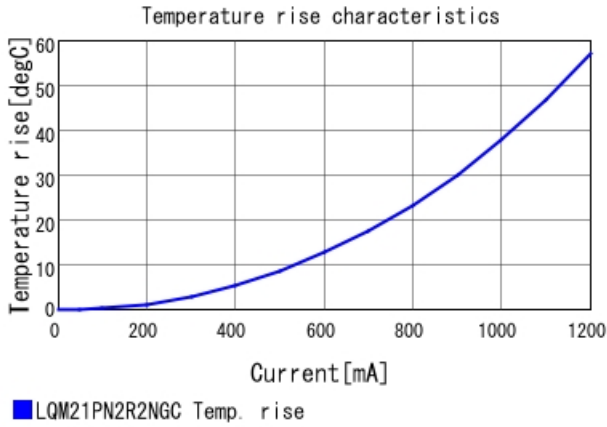
■ LQM21PN2R2NGC L-Current 20degC

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