

# LQM21PN3R3MGR#

“#” indicates a package specification code.

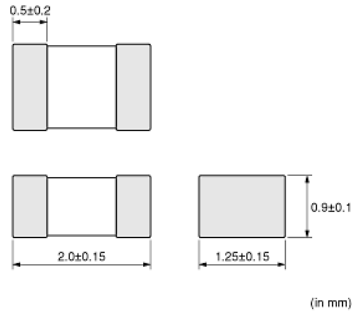
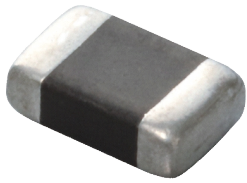
## Low DC Resistance Type



< List of part numbers with package codes >

LQM21PN3R3MGRB LQM21PN3R3MGRD

## Appearance & Shape



## References

| Packaging | Specifications   | Minimum Order 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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## 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  | 3.3μH±20%  |
| Inductance Test Frequency                         | 1MHz   |
| Rated current (Itemp) (Based on Temperature rise) | 1.0A(Ambient temp.85°C)0.75A(Ambient temp.125°C) |
| Max. of DC resistance                             | 0.188Ω   |
| Class of magnetic shield                          | Ferrite Core                                     |
| Self resonance frequency (min.)                   | 30MHz  |
| DC Resistance Intermediate Values                 | 0.150Ω±25%                                       |
| Operating Temperature Range                       | -55°C to 125°C                                   |
| Series  | LQM21PN_GR                                       |

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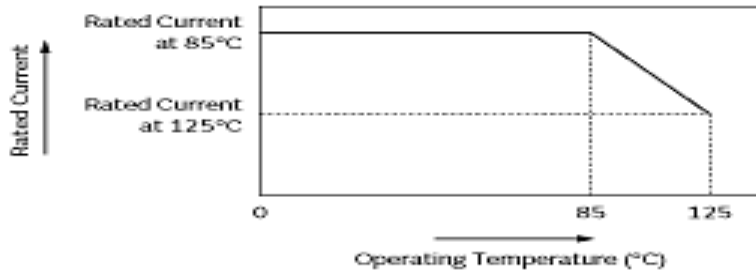
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## Notice For General

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



#### Attention

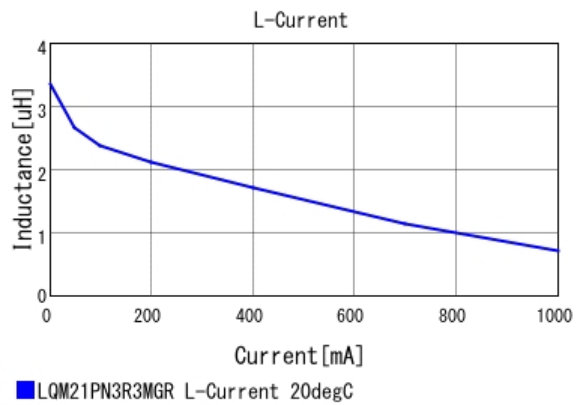
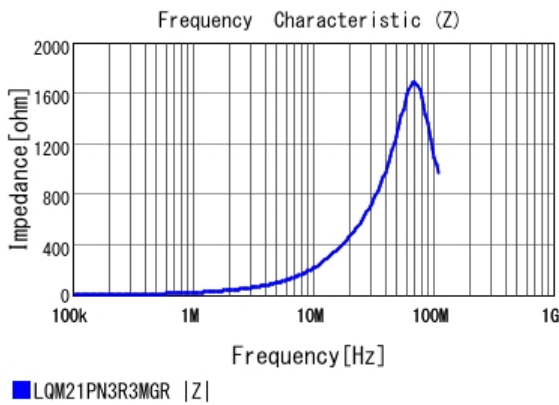
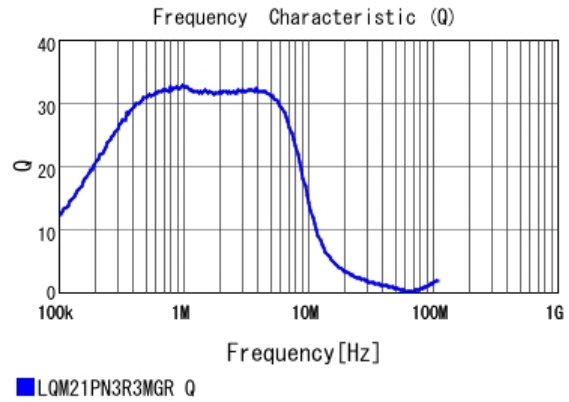
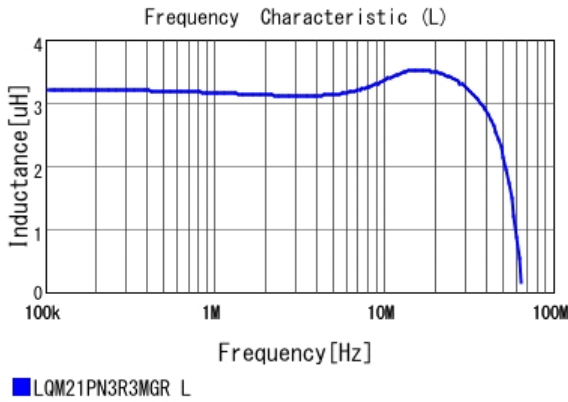
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## Characteristic Data

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

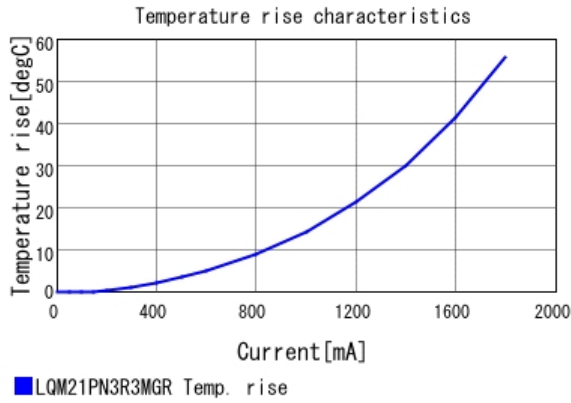


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