

# LQM2MPZ1R0NG0#

"#" indicates a package specification code.

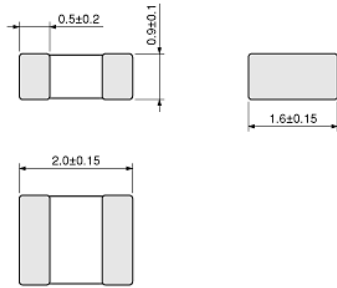
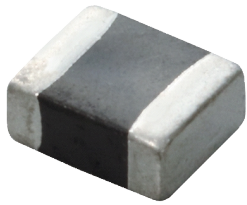
Size Code 2016 (0806) in mm (in inch), 1.0mm max. Thickness



< List of part numbers with package codes >

LQM2MPZ1R0NG0L LQM2MPZ1R0NG0B

## Appearance & Shape



(in mm)

## References

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| L         | 180Embossed Tape | 3000                   |
| B         | Bulk(Bag)        | 1000                   |

| 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.

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## Specifications

|   |   |
|---|---|
| L size  | 2.0±0.15mm                                      |
| W size  | 1.6±0.15mm                                      |
| T size  | 0.9±0.1mm                                       |
| Size code inch (mm)                               | 0806 (2016)                                     |
| Inductance  | 1μH±30%   |
| Inductance Test Frequency                         | 1MHz  |
| Rated current (Itemp) (Based on Temperature rise) | 1.4A(Ambient temp.85°C)1.0A(Ambient temp.125°C) |
| Max. of DC resistance                             | 0.107Ω  |
| Class of magnetic shield                          | Ferrite Core                                    |
| Self resonance frequency (min.)                   | 60MHz   |
| DC Resistance Intermediate Values                 | 0.085Ω(typ.)                                    |
| Operating Temperature Range                       | -55°C to 125°C                                  |
| Series  | LQM2MPZ_G0                                      |

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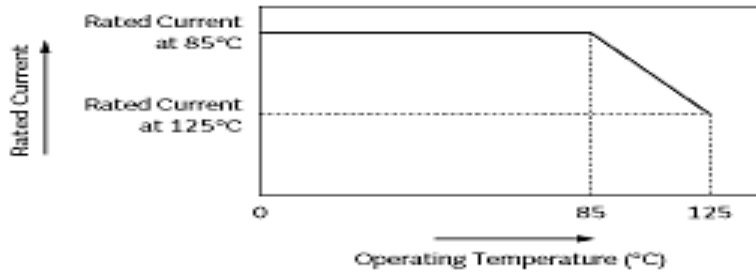
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## Notice For General

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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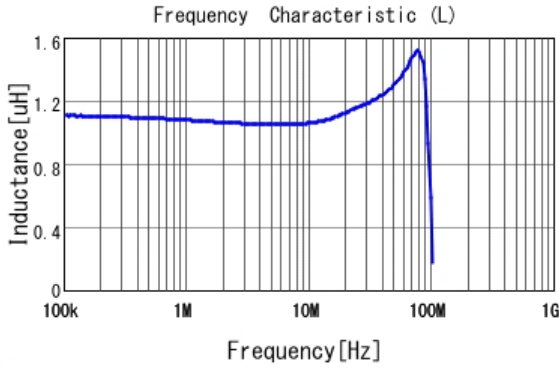
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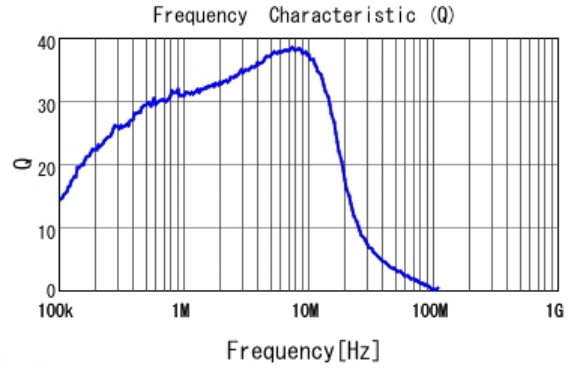
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## Characteristic Data

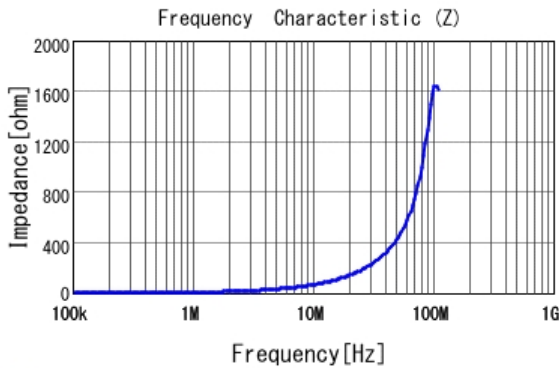
The charts below may show another part number which shares its characteristics.



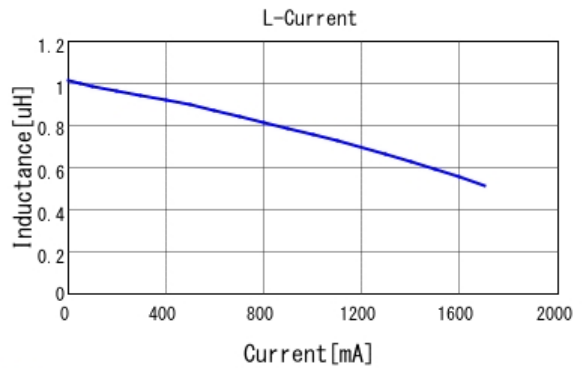
■ LQM2MPZ1R0NG0 L



■ LQM2MPZ1R0NG0 Q



■ LQM2MPZ1R0NG0 |Z|



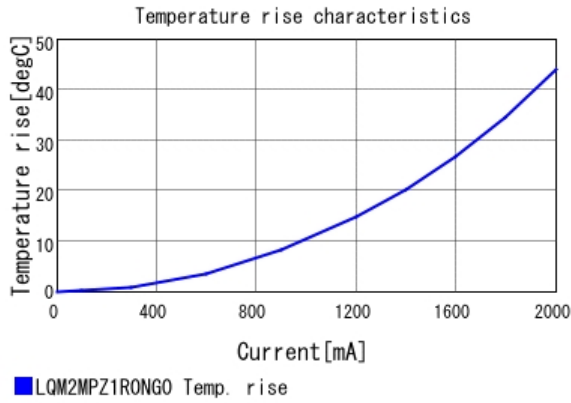
■ LQM2MPZ1R0NG0 L-Current 20degC

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