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# LQM21PZ3R3MG0#

"#"at the end indicates the package specification code.

Size Code 2012 (0805) in mm (in inch), 1.0mm max. Thickness

In Production | AEC-Q200 | RoHS | REACH | 125 °C max. | Multi-layer | Reflow OK | Flow OK

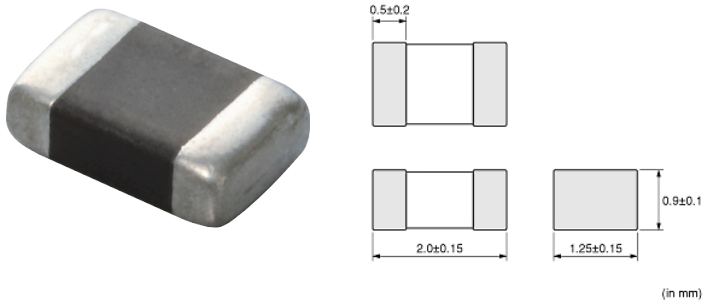
## < List of part numbers with package codes >

LQM21PZ3R3MG0B LQM21PZ3R3MG0D

## Applications

| | |
|---|---|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment,Automotive infotainment/comfort equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment<br>Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Automotive infotainment/comfort equipment |

## Appearance & Shape




## 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.



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# LQM21PZ3R3MG0#

"#"at the end indicates the package specification code.

## References

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

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



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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)<br>(Based on Temperature rise) | 0.8A(Ambient temp.85℃)0.<br>55A(Ambient temp.125℃) |
| Max. of DC resistance | 0.207Ω |
| DC resistance | 0.165Ω±25% |
| Class of magnetic shield | Shielded（Ferrite Core） |
| Self resonance frequency<br>(min.) | 30MHz |
| Brand | Murata |
| Operating Temperature<br>Range | -55℃ to 125℃ |
| Series | LQM21PZ_G0 |



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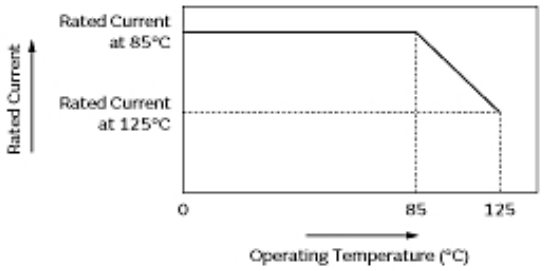
# LQM21PZ3R3MG0#

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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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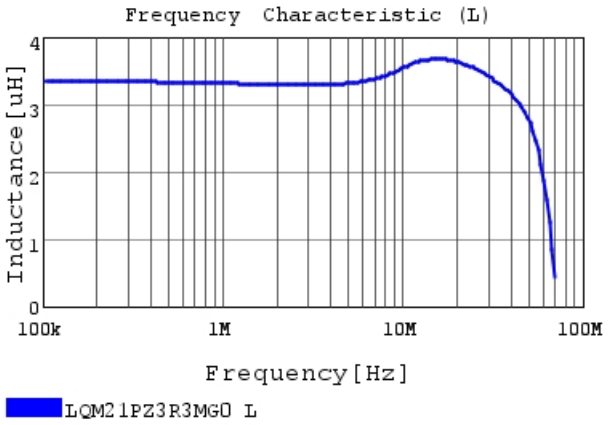
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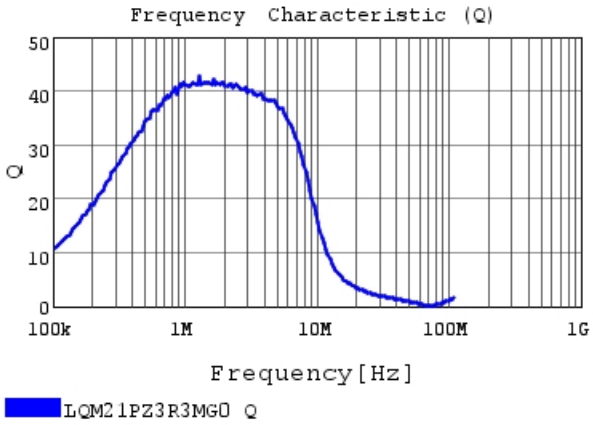
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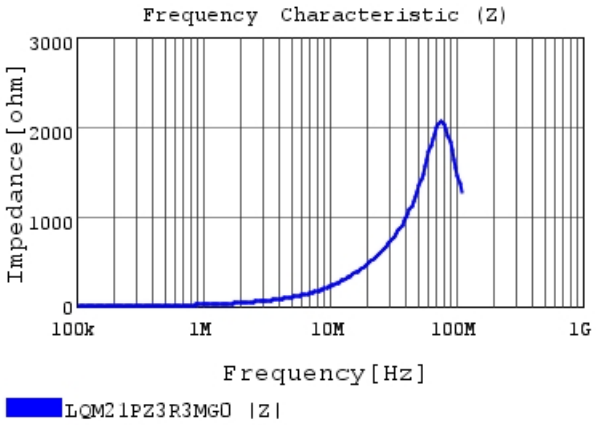
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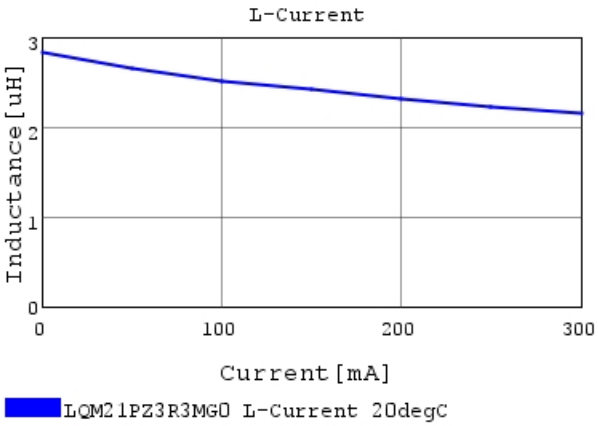
## Characteristic Data

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





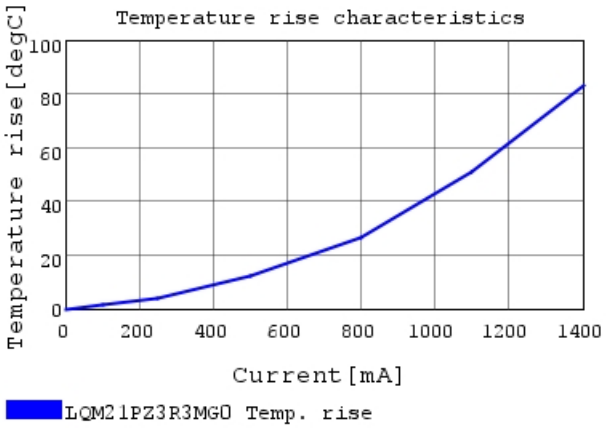

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