

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH2MPN330MGR# from the official website of Murata Manufacturing Co., Ltd.

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

0806(inch) / 2016(mm) size, 0.95 mm max height, low DC resistance inductor.















< List of part numbers with package codes > LQH2MPN330MGRL



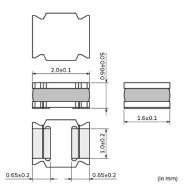
Applications

| Unsuitable | Please be sure to read and comply with | |
|--------------|--|--|
| Applications | these "Precautions for use." | |
| | Consumer equipment,Medical | |
| | equipment [GHTF A/B/C] except for | |
| | implant & surgery & auto injector, | |
| | Industrial equipment except for | |
| | transportation & facility & energy | |
| | equipment | |
| Specific | Please refer to Our Website and | |
| Applications | 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 | Consumer equipment | |
| Applications | | |



Appearance & Shape





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2. This datasheet has only typical specifications because there is no space for detailed specifications.





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http://www.murata.com/en-us/products/productdetail?partno=LQH2MPN330MGR%23

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Notices

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range. Keep the temperature (ambient temperature plus self-generation of heat) under 125°C. When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 40°C max (ambient temperature 85°C max). When rated current is applied to the products, temperature rise caused by self-generated heat shall be limited to 20°C max(ambient temperature 85°C to 105°C).



References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| L | 180Embossed Tape | 3000 |

| Mass (typ.) | |
|-------------|-------|
| 1 piece | 0.01g |

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Specifications

| L size | 2.0±0.1mm |
|--|---------------------------|
| W size | 1.6±0.1mm |
| T size | 0.9±0.05mm |
| Size code inch (mm) | 0806 (2016) |
| Inductance | 33µH±20% |
| Inductance Test Frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 310mA |
| Rated current (Itemp) | 200mA(Ambient temp.85°C) |
| (Based on Temperature rise) | 120mA(Ambient temp.105°C) |
| Max. of DC resistance | 5.16Ω |
| DC resistance | 4.3Ω±20% |
| Operating Temperature Range (Self-temperature rise is included) | -40°C to 125°C |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 105°C |
| Class of magnetic shield | Shielded (Ferrite Core) |
| Self resonance frequency (min.) | 15MHz |
| Brand | Murata |
| Series | LQH2MPN_GR |

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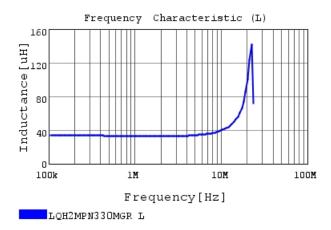
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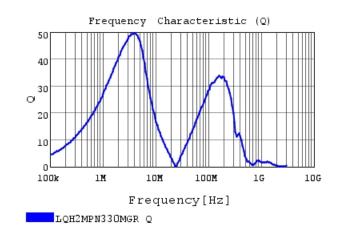
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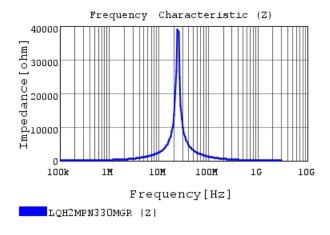


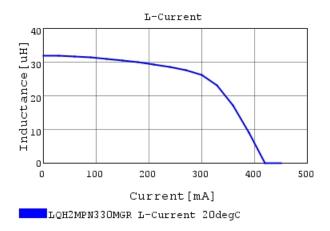
Characteristic Data

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









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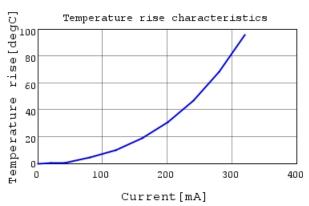


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LQH2MPN33OMGR Temp. rise

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