

LQH3NPH2R2MME#

Note: This datasheet may be out of date.

Please download the latest datasheet of LQH3NPH2R2MME# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQH3NPH2R2MME%23

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



















< List of part numbers with package codes > LQH3NPH2R2MMEL

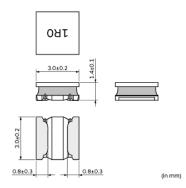


Applications

| Unsuitable | Please be sure to read and comply with | |
|--------------|--|--|
| Applications | these "Precautions for use." | |
| | Consumer equipment, Automotive | |
| | infotainment/comfort equipment, | |
| | Automotive powertrain/safety equipment, | |
| | Medical equipment [GHTF A/B/C] | |
| | except for implant & surgery & auto | |
| | injector,Industrial 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 | Automotive powertrain/safety equipment | |
| Applications | | |
| | | |

Appearance & Shape







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, the self-temperature rise shall be limited to 40°C max. (ambient temperature 85°C). When rated current is applied to the products, the self-temperature rise shall be limited to 20°C max. (ambient temperature 85°C).



References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| L | 180Embossed Tape | 2000 |

| Mass (typ | 0.) | |
|-----------|-----|--------|
| 1 piece | | 0.051g |

1 of 3

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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 | 3.0±0.2mm |
| W size | 3.0±0.2mm |
| T size | 1.4±0.1mm |
| Size code inch (mm) | 1212 (3030) |
| Inductance | 2.2µH±20% |
| Inductance Test Frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 1800mA(Max.) / 2130mA(Typ.) |
| Rated current (Itemp) (Based on Temperature rise) | Ambient temp.85°C 2100mA (Max.) 2350mA(Typ.)Ambient temp.105°C 1220mA(Max.) |
| Max. of DC resistance | 0.078Ω |
| DC resistance | 0.065Ω±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 (Magnetic Resin) |
| Self resonance frequency (min.) | 60MHz |
| Brand | Murata |
| Series | LQH3NPH_ME |

2 of 3

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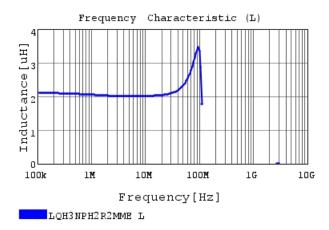
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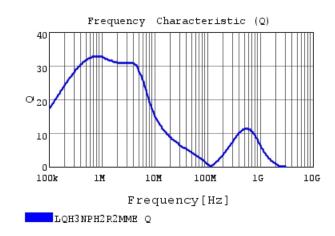
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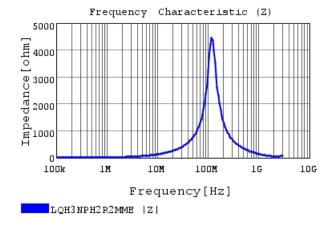


Characteristic Data

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







3 of 3

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