

Note: This datasheet may be out of date. Please download the latest datasheet of LQH31MN1R2K03# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=LQH31MN1R2K03%23

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

Size Code 3216 (1206) in mm (in inch)

LQH31MN1R2K03#



< List of part numbers with package codes > LQH31MN1R2K03K LQH31MN1R2K03L

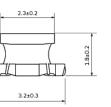
Applications

| | - | |
|--------------|--|--|
| 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 | Consumer equipment | |



Appearance & Shape





| 1.6±0.2 | - |
|-----------|----------------|
| | - |
|) | 7 |
| \square | $\overline{)}$ |
| 1.6+0.7 | |

0.7 min. 0.7 mi

(in mm)



Notices

When rated current is applied to the products, selftemperature rise shall be limited to 20°C max and inductance will be within ±10% of initial inductance value.

1 of 4

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without advance notice. Please check with our sales representatives or product engineers before ordering.

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

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References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------------|
| К | 330Embossed Tape | 7500 |
| L | 180Embossed Tape | 2000 |

| Mass (typ.) | |
|-------------|--------|
| 1 piece | 0.029g |

2 of 4

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Specifications

| L size | 3.2±0.3mm |
|--|--------------|
| W size | 1.6±0.2mm |
| T size | 1.8±0.2mm |
| Size code inch (mm) | 1206 (3216) |
| Inductance | 1.2µH±10% |
| Inductance Test Frequency | 1MHz |
| Rated current (Itemp) (Based on Temperature rise) | 165mA |
| Max. of DC resistance | 1.17Ω |
| DC resistance | 0.9Ω±30% |
| Operating Temperature Range(Self-temperature rise is not included) | -40℃ to 85℃ |
| Class of magnetic shield | Non-Shielded |
| Q(min.) | 35 |
| Q Test Frequency | 10MHz |
| Self resonance frequency (min.) | 90MHz |
| Brand | Murata |
| Series | LQH31MN_03 |

3 of 4

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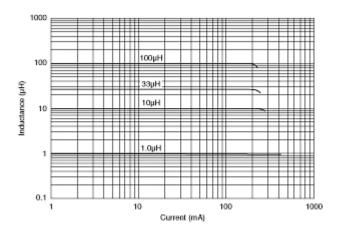
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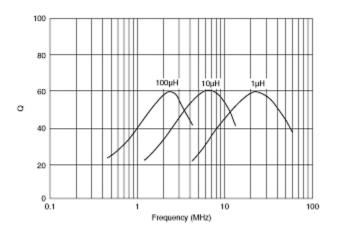
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Characteristic Data

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Impedance - Current Characteristics

Q-Frequency Characteristics

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4 of 4