

LQM18NN1R8K00#

“#” at the end indicates the package specification code.

Size Code 1608 (0603) in mm (in inch)

To be discontinued

RoHS

REACH

85 °C max.

Multi-layer

Reflow OK

Flow OK

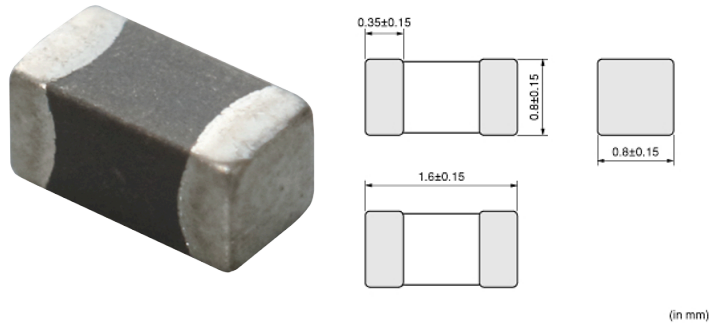
< List of part numbers with package codes >

LQM18NN1R8K00B LQM18NN1R8K00D LQM18NN1R8K00J

Applications

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

Appearance & Shape



Attention

- This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 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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References

| Packaging | Specifications | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| B | Bulk(Bag) | 1000 |
| D | 180mm Paper Tape | 4000 |
| J | 330mm Paper Tape | 10000 |

| Mass (typ.) | |
|-------------|--------|
| 1 piece | 0.005g |

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Specifications

| | |
|--|-------------------------|
| L size | 1.6±0.15mm |
| W size | 0.8±0.15mm |
| T size | 0.8±0.15mm |
| Size code inch (mm) | 0603 (1608) |
| Inductance | 1800nH±10% |
| Inductance Test Frequency | 10MHz |
| Rated current (Isat) (Based on Inductance change) | 25mA |
| Rated current (Itemp) (Based on Temperature rise) | 25mA |
| Max. of DC resistance | 0.95Ω |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 85°C |
| Class of magnetic shield | Shielded (Ferrite Core) |
| Q(min.) | 35 |
| Q Test Frequency | 10MHz |
| Self resonance frequency (min.) | 55MHz |
| Brand | Murata |
| Series | LQM18NN_00 |

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Characteristic Data



Impedance - Current Characteristics



Q-Frequency Characteristics

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