# muRata Inductor Data Sheet

# LQM18FN100M00#
"#" indicates a package specification code.

In Production | General | 125℃ | Multi-layer | Reflow OK | Flow OK | RoHS | REACH

< List of part numbers with package codes >
LQM18FN100M00D , LQM18FN100M00J , LQM18FN100M00B

## Shape



| L size | 1.6 ±0.1mm |
|---|---|
| W size | 0.8 ±0.1mm |
| T size | 0.8 ±0.1mm |
| Size code in inch (mm) | 0603 (1608) |
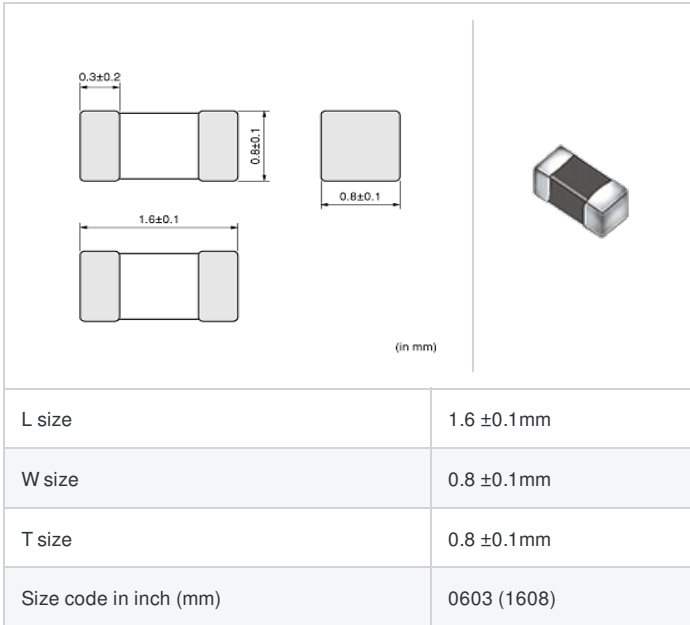
## References

| Packaging code | Specifications | Minimum quantity |
|---|---|---|
| D | φ180mm Paper taping | 4000 |
| J | φ330mm Paper taping | 10000 |
| B | Packing in bulk | 1000 |

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

## Specifications

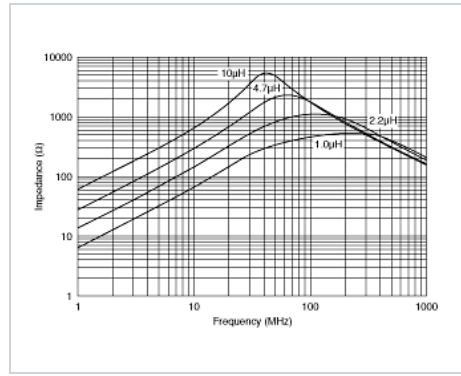| | |
|---|---|
| Inductance | 10μH ±20% |
| Inductance test frequency | 1MHz |
| Rated current (Itemp) (Based on Temperature rise) | 50mA |
| Max. of DC resistance | 1.17Ω |
| Avg. of DC resistance | 0.90Ω±30% |
| Self resonance frequency (min.) | 30MHz |
| Operating temperature range (Self-temperature rise is not included) | -55～125℃ |
| Class of magnetic shield | Ferrite Core |
| Series | LQM18FN_00 |

## ⚠ Attention

1.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.
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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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

■ Inductance-Current characteristics (Typ.)
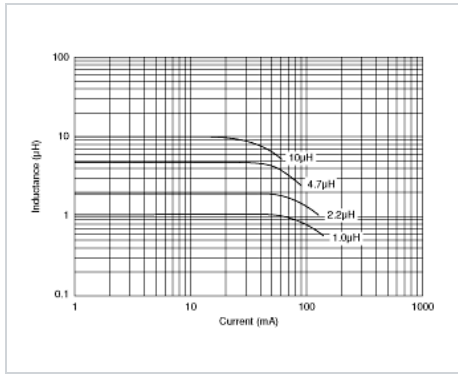


■ Impedance-Frequency characteristics (Typ.)

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