

# LQM21NNR27K10#

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

Size Code 2012 (0805) in mm (in inch)



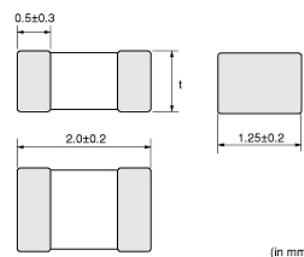
## < List of part numbers with package codes >

LQM21NNR27K10B      LQM21NNR27K10D      LQM21NNR27K10J

## Applications

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



| Dimension of t | Inductance: 0.1 to 2.2μH | 0.85±0.2 |
|----------------|--------------------------|----------|
|                | Inductance: 2.7 to 4.7μH | 1.25±0.2 |

(in mm)

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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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## References

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

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

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## Specifications

|                                                                    |                         |
|--------------------------------------------------------------------|-------------------------|
| L size                                                             | 2.0±0.2mm               |
| W size                                                             | 1.25±0.2mm              |
| T size                                                             | 0.85±0.2mm              |
| Size code inch (mm)                                                | 0805 (2012)             |
| Inductance                                                         | 0.27μH±10%              |
| Inductance Test Frequency                                          | 25MHz                   |
| Rated current (Isat) (Based on Inductance change)                  | 250mA                   |
| Rated current (Itemp) (Based on Temperature rise)                  | 250mA                   |
| Max. of DC resistance                                              | 0.42Ω                   |
| Operating Temperature Range(Self-temperature rise is not included) | -40°C to 85°C           |
| Class of magnetic shield                                           | Shielded (Ferrite Core) |
| Q(min.)                                                            | 20                      |
| Q Test Frequency                                                   | 25MHz                   |
| Self resonance frequency (min.)                                    | 200MHz                  |
| Brand                                                              | Murata                  |
| Series                                                             | LQM21NN_10              |

### Attention

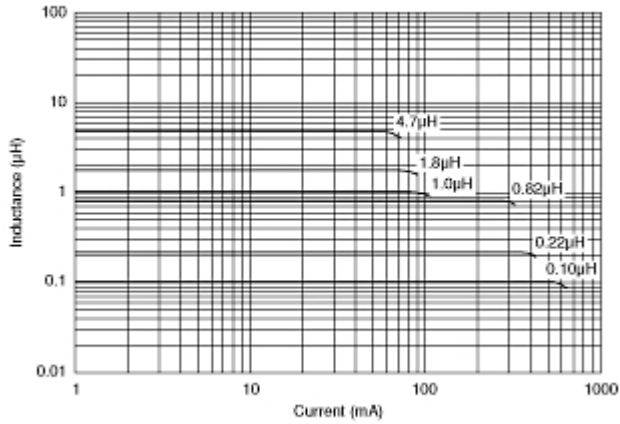
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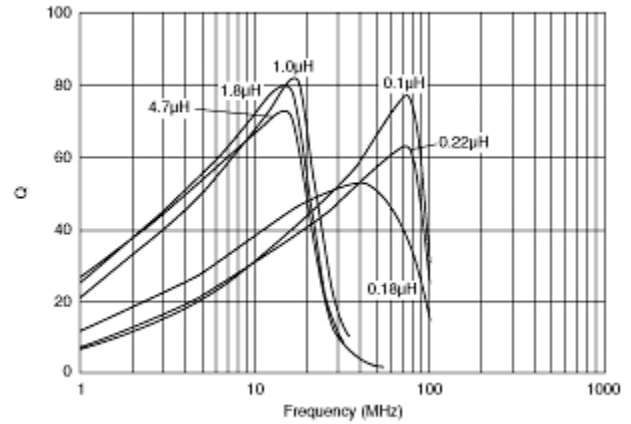
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## Characteristic Data



Impedance - Current Characteristics



Q-Frequency Characteristics

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