

# LQW15AN1N3C80D

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

Size Code 1005 (0402) in mm (in inch), Wound Type



< List of part numbers with package codes >

LQW15AN1N3C80B LQW15AN1N3C80D

## Applications

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

## Appearance & Shape



## References

| Packaging | Specifications   | Standard Packing Quantity |
|-----------|------------------|---------------------------|
| B         | Bulk(Bag)        | 500                       |
| D         | 180mm Paper Tape | 10000                     |

| Mass (typ.) |         |
|-------------|---------|
| 1 piece     | 0.0009g |

### Attention

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

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## Specifications

|                                                                          |                |
|--------------------------------------------------------------------------|----------------|
| L size                                                                   | 1.0±0.1mm      |
| W size                                                                   | 0.6±0.1mm      |
| T size                                                                   | 0.5±0.1mm      |
| Size code inch (mm)                                                      | 0402 (1005)    |
| Inductance                                                               | 1.3nH±0.2nH    |
| Inductance Test Frequency                                                | 100MHz         |
| Rated current (Itemp)<br>(Based on Temperature rise)                     | 3150mA         |
| Max. of DC resistance                                                    | 0.012Ω         |
| Operating Temperature<br>Range(Self-temperature rise<br>is not included) | -55°C to 125°C |
| Class of magnetic shield                                                 | Non-Shielded   |
| Q(min.)                                                                  | 20             |
| Q Test Frequency                                                         | 250MHz         |
| Self resonance frequency<br>(min.)                                       | 18GHz          |
| Brand                                                                    | Murata         |
| Series                                                                   | LQW15AN_80     |

### Attention

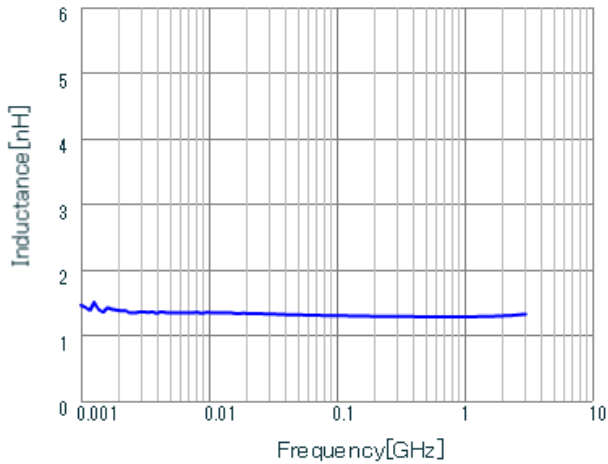
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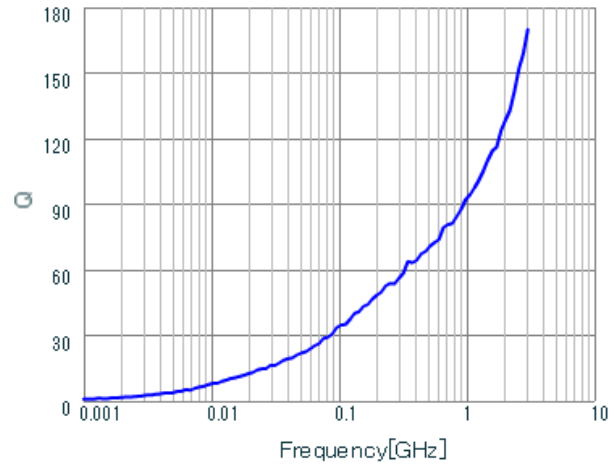
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## Characteristic Data



LQW15AN1N3C80 L.



LQW15AN1N3C80 Q.

Inductance - Frequency Characteristics

Q-Frequency Characteristics

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## Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in the chart according to the operating temperature.

### Derating of Rated Current



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