

# LQW15AN51NJ8Z#

“#” indicates a package specification code.

0402(inch)/1005(mm) size, wound inductor.



< List of part numbers with package codes >

LQW15AN51NJ8ZB      LQW15AN51NJ8ZD

## 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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## 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   | 51nH±5%        |
| Inductance Test Frequency  | 100MHz         |
| Rated current (Itemp)<br>(Based on Temperature rise)                     | 415mA          |
| Max. of DC resistance  | 0.696Ω         |
| Q(min.)  | 25             |
| Q Test Frequency   | 200MHz         |
| Self resonance frequency<br>(min.)                                       | 2.9GHz         |
| Operating Temperature<br>Range(Self-temperature rise<br>is not included) | -55°C to 125°C |
| Brand  | Murata         |
| Series   | LQW15AN_8Z     |

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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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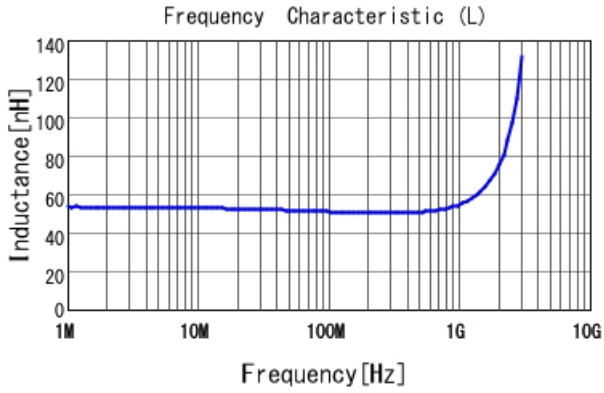
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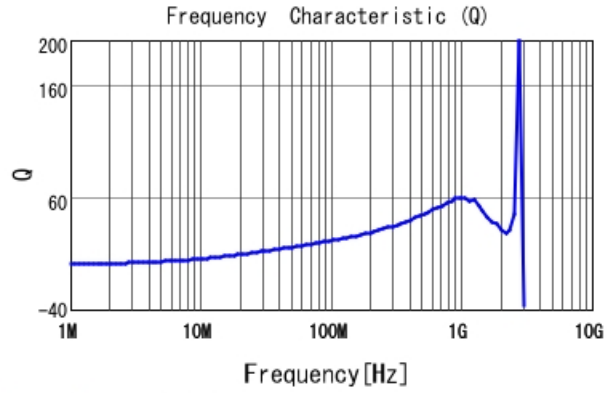


## Characteristic Data

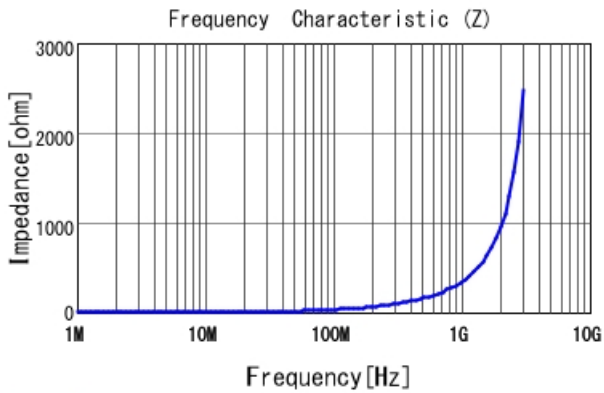
The charts below may show another part number which shares its characteristics.



LQW15AN51NJ8Z L



LQW15AN51NJ8Z Q



LQW15AN51NJ8Z |Z|

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