

# LQW18AN19NG80#

“#” indicates a package specification code.

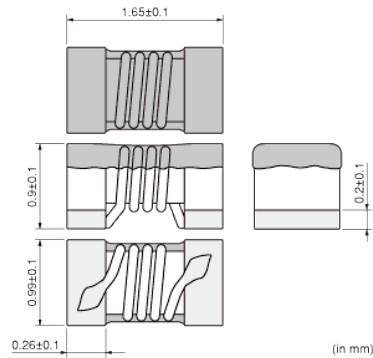
High Frequency Inductor with Low DC resistance and High Current Capability



< List of part numbers with package codes >

LQW18AN19NG80B LQW18AN19NG80J LQW18AN19NG80D

## Appearance & Shape



## References

| Packaging | Specifications   | Minimum Order Quantity |
|-----------|------------------|------------------------|
| B         | Bulk(Bag)        | 500                    |
| J         | 330mm Paper Tape | 10000                  |
| D         | 180mm Paper Tape | 4000                   |

| Mass (typ.) |         |
|-------------|---------|
| 1 piece     | 0.0034g |

### Attention

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## Specifications

|  |                |
|--|----------------|
| L size   | 1.65±0.1mm     |
| W size   | 0.99±0.1mm     |
| T size   | 0.9±0.1mm      |
| Size code inch (mm)  | 0603 (1608)    |
| Inductance   | 19nH±2%        |
| Inductance Test Frequency  | 100MHz         |
| Rated current (Itemp) (Based on Temperature rise)                  | 1400mA         |
| Max. of DC resistance  | 0.075Ω         |
| Q(min.)  | 40             |
| Q Test Frequency   | 250MHz         |
| Self resonance frequency (min.)                                    | 4600MHz        |
| Operating Temperature Range(Self-temperature rise is not included) | -55°C to 125°C |
| Series   | LQW18AN_80     |

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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



#### Attention

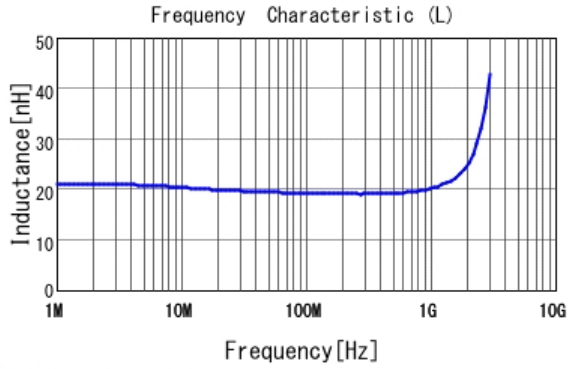
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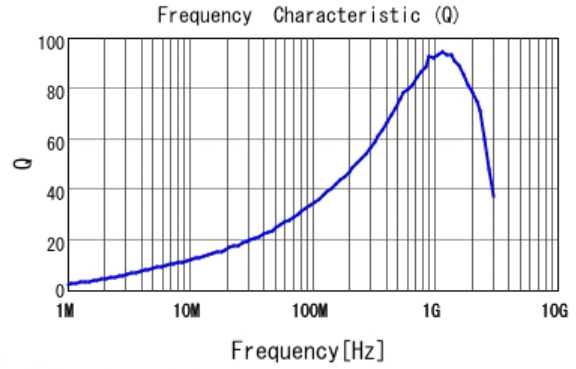
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## Characteristic Data

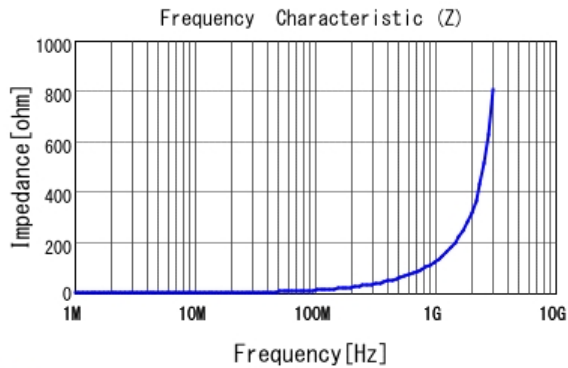
The charts below may show another part number which shares its characteristics.



■ LQW18AN19NG80 L



■ LQW18AN19NG80 Q



■ LQW18AN19NG80 |Z|

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