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# LQW18ANR30G80#

"#"at the end indicates the package specification code.

High Frequency Inductor with Low DC resistance and High Current Capability

In Production | RoHS | REACH | 125 °C max. | Wound (Non mag) | Low Rdc | Tight Tolerance | Reflow OK

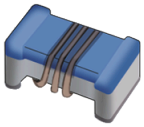
## < List of part numbers with package codes >

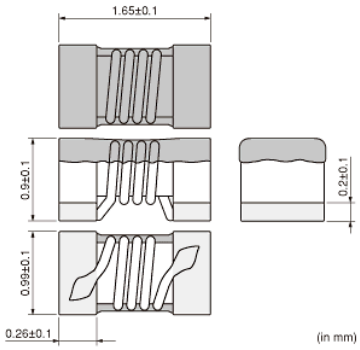
LQW18ANR30G80B LQW18ANR30G80D LQW18ANR30G80J

## 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





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# LQW18ANR30G80#

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## References

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

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



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# LQW18ANR30G80#

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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 | 300nH±2% |
| Inductance Test Frequency | 100MHz |
| Rated current (Itemp)<br>(Based on Temperature rise) | 220mA |
| Max. of DC resistance | 3.12Ω |
| Operating Temperature Range(Self-temperature rise is not included) | -55℃ to 125℃ |
| Class of magnetic shield | Non-Shielded |
| Q(min.) | 25 |
| Q Test Frequency | 100MHz |
| Self resonance frequency (min.) | 1200MHz |
| Brand | Murata |
| Series | LQW18AN_80 |



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# LQW18ANR30G80#

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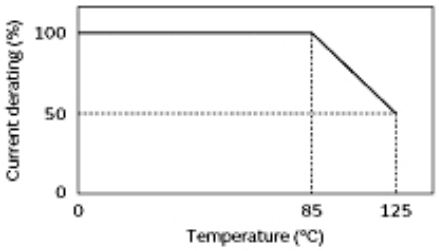
## Notice For General

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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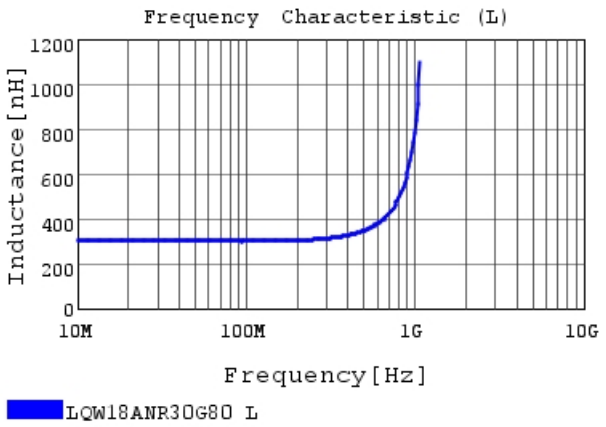
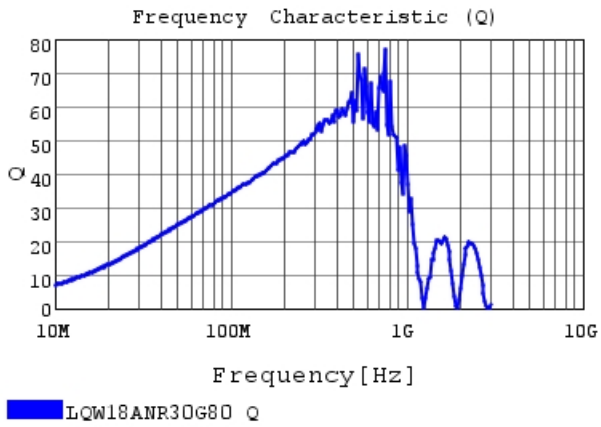
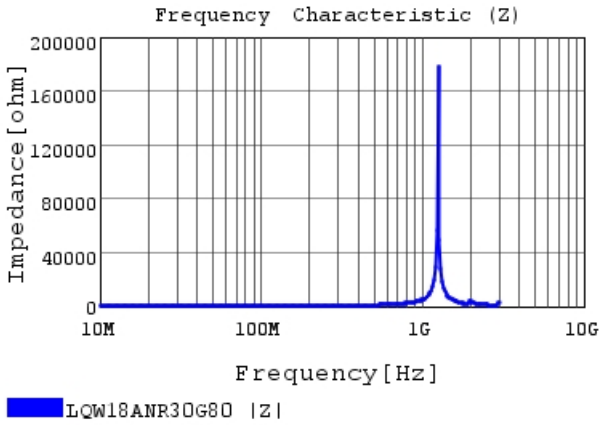
## Characteristic Data

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



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