# Inductor Data Sheet

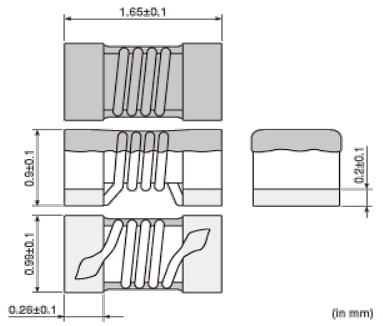
# LQW18AN10NG80#

"#" indicates a package specification code.

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

< List of part numbers with package codes >
LQW18AN10NG80D , LQW18AN10NG80J , LQW18AN10NG80B

## Shape



| | |
|---|---|
| L size | 1.65 ±0.1mm |
| W size | 0.99 ±0.1mm |
| T size | 0.9 ±0.1mm |
| Size code in inch (mm) | 0603 (1608) |

## References

| Packaging code | Specifications | Minimum quantity |
|---|---|---|
| D | φ180mm Paper taping | 4000 |
| J | φ330mm Paper taping | 10000 |
| B | Packing in bulk | 500 |

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

## Specifications

| | |
|---|---|
| Inductance | 10nH ±2% |
| Inductance test frequency | 100MHz |
| Rated current (Itemp) (Based on Temperature rise) | 1600mA |
| Max. of DC resistance | 0.052Ω |
| Q (min.) | 38 |
| Q test frequency | 250MHz |
| Self resonance frequency (min.) | 4750MHz |
| Operating temperature range (Self-temperature rise is not included) | -55 to 125°C |
| Series | LQW18AN_80 |

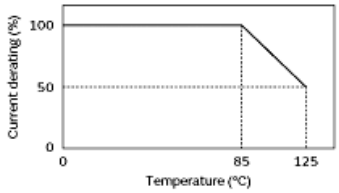


**Attention**

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's 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.

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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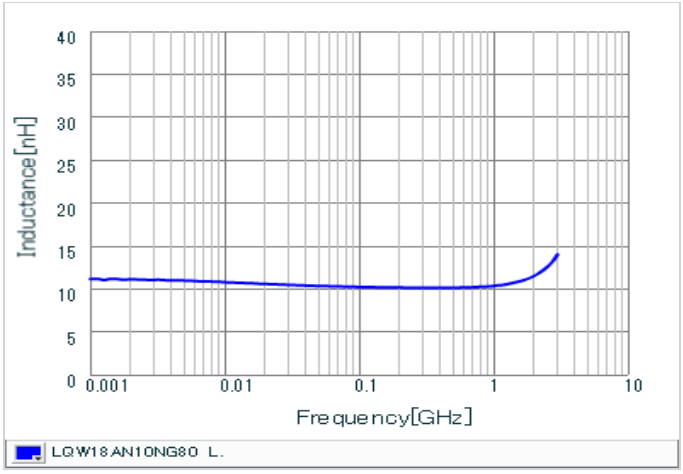
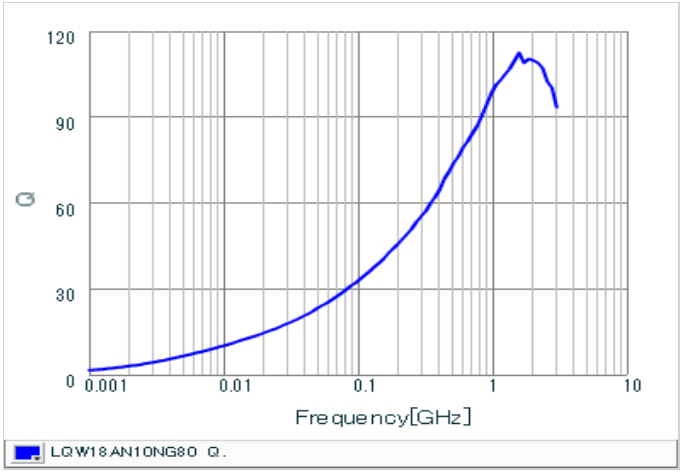
## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

Inductance-Frequency characteristics (Typ.)




Q-Frequency characteristics (Typ.)



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