

LQW15AN4N7B80#

indicates a package specification code.



< List of part numbers with package codes >
 LQW15AN4N7B80D , LQW15AN4N7B80B

Shape



Notes

In operating temperatures exceeding +85°C, derating of current is necessary for the LQW15A_80 series.
 Please apply the derating curve shown in the chart according to the operating temperature.
 Please consider "Notice (Rating)."

References

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

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

Specifications

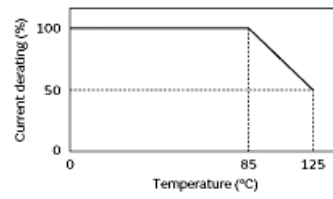
| | |
|---|--------------|
| Inductance | 4.7nH ±0.1nH |
| Inductance test frequency | 100MHz |
| Rated current (Itemp) (Based on Temperature rise) | 1200mA |
| Max. of DC resistance | 0.071Ω |
| Q (min.) | 31 |
| Q test frequency | 250MHz |
| Self resonance frequency (min.) | 8.0GHz |
| Operating temperature range (Self-temperature rise is not included) | -55~125°C |
| Series | LQW15AN_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

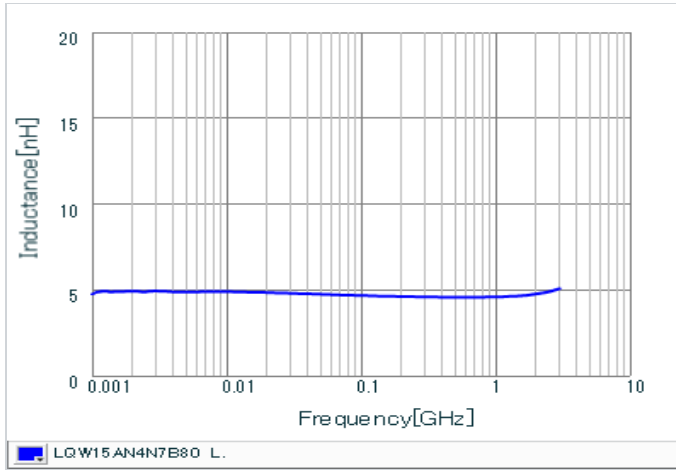


 **Attention**

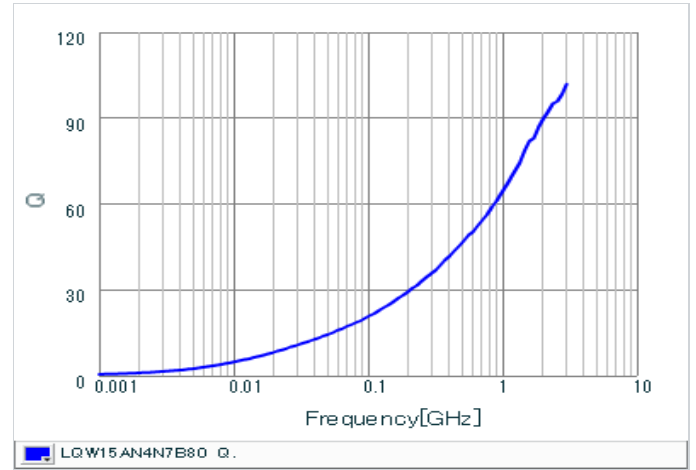
- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet 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.

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

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



⚠ 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.