

# LQW15AN8N3G80#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQW15AN8N3G80D , LQW15AN8N3G80B

## Shape



## Notes

In operating temperature exceeding +85°C, derating of current is necessary for LQW15A\_80 series.  
 Please apply the derating curve shown in chart according to the operating temperature.  
 Please confirm "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

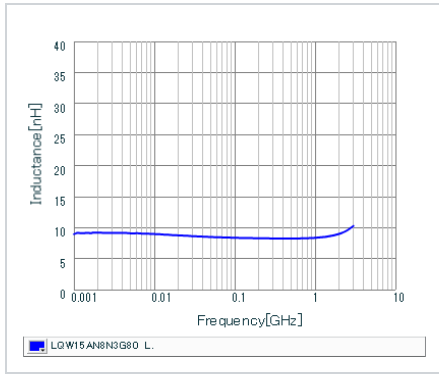
|   |            |
|---|------------|
| Inductance  | 8.3nH ±2%  |
| Inductance test frequency   | 100MHz     |
| Rated current (Itemp) (Based on Temperature rise)                   | 1500mA     |
| Max. of DC resistance   | 0.069Ω     |
| Q (min.)  | 32         |
| Q test frequency  | 250MHz     |
| Self resonance frequency (min.)                                     | 6.5GHz     |
| Operating temperature range (Self-temperature rise is not included) | -55~125°C  |
| Series  | LQW15AN_80 |

### Attention

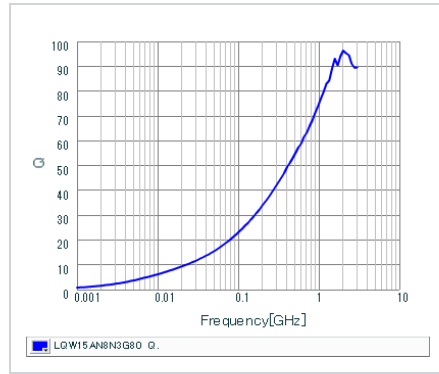
- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2.This datasheet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

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

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



▪ Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQW15AN\_8□ series. Please apply the derating curve shown in chart according to the operating temperature.

**Derating of Rated Current**

A line graph showing Current Derating (%) on the y-axis (0 to 100) versus Operating Temperature (°C) on the x-axis (0 to 125). The curve shows 100% derating from 0°C to 85°C, then a linear decrease to 50% at 125°C, and finally drops to 0% at 125°C.

**⚠ 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.