

# LQW15AN6N1D80#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQW15AN6N1D80D , LQW15AN6N1D80B

## 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

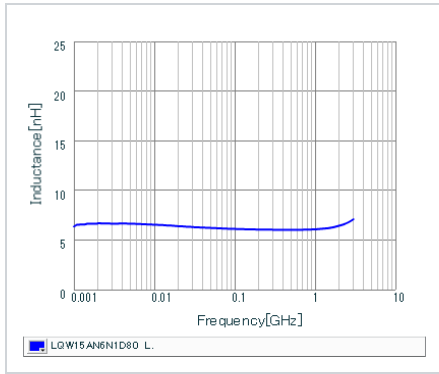
|   |              |
|---|--------------|
| Inductance  | 6.1nH ±0.5nH |
| Inductance test frequency   | 100MHz       |
| Rated current (Itemp) (Based on Temperature rise)                   | 1600mA       |
| Max. of DC resistance   | 0.056Ω       |
| Q (min.)  | 32           |
| Q test frequency  | 250MHz       |
| Self resonance frequency (min.)                                     | 8.0GHz       |
| Operating temperature range (Self-temperature rise is not included) | -55~125°C    |
| Series  | LQW15AN_80   |

### Attention

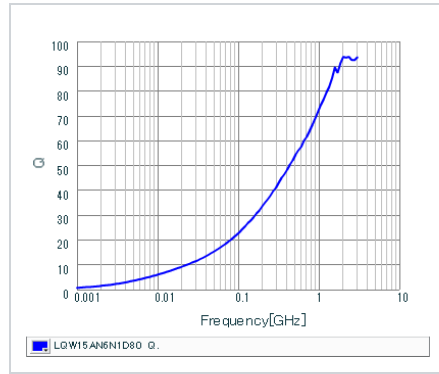
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ Inductance-Frequency characteristics (Typ.)



▪ Q-Frequency characteristics (Typ.)



▪ 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 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.

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