

# LQW18AN8N7C80#

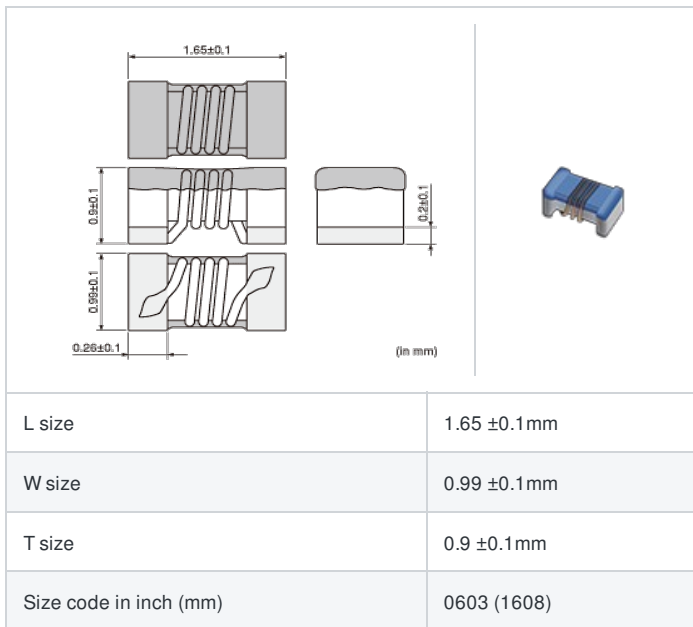
# indicates a package specification code.



< List of part numbers with package codes >

LQW18AN8N7C80D , LQW18AN8N7C80J , LQW18AN8N7C80B

## Shape



## 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                                                          | 8.7nH ±0.2nH |
| 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

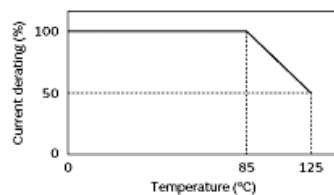
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In operating temperatures exceeding +85°C, derating of current is necessary for this series.  
Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current

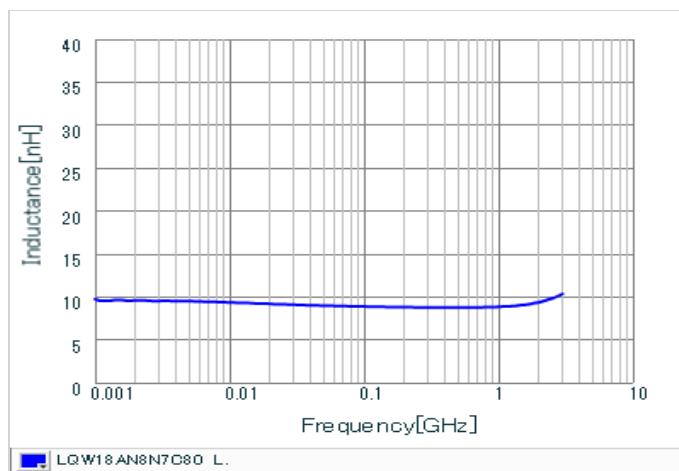


 **Attention**

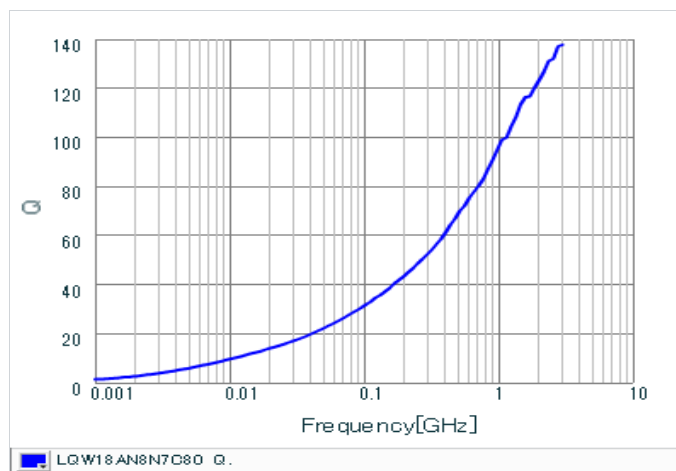
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

■ Inductance-Frequency characteristics (Typ.)



■ Q-Frequency characteristics (Typ.)



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