

# LQW15AN9N7G80#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQW15AN9N7G80D , LQW15AN9N7G80B

## 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

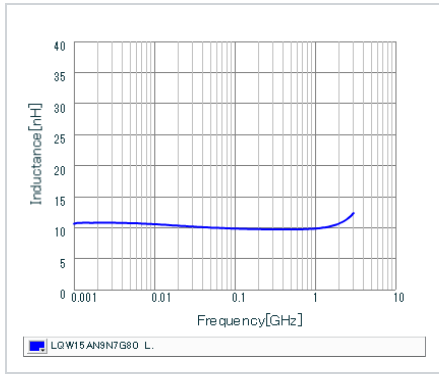
Inductance	9.7nH ±2%
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1400mA
Max. of DC resistance	0.081Ω
Q (min.)	33
Q test frequency	250MHz
Self resonance frequency (min.)	6.0GHz
Operating temperature range (Self-temperature rise is not included)	-55~125°C
Series	LQW15AN_80

### Attention

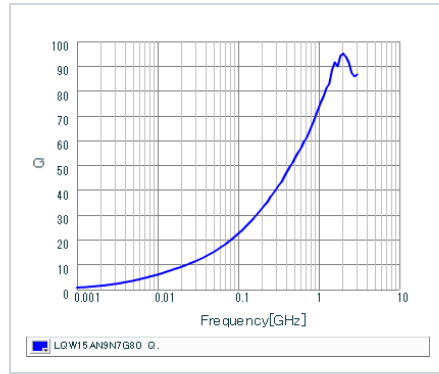
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ 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**

The derating curve shows the percentage of current that can be safely used at different operating temperatures. The y-axis is Current Derating (%) from 0 to 100. The x-axis is Operating Temperature (°C) from 0 to 125. The current derating is 100% from 0°C to 85°C. Between 85°C and 125°C, the derating decreases linearly to 50%. At 125°C, the derating drops abruptly to 0%.

Operating Temperature (°C)	Current Derating (%)
0	100
85	100
125	50
125	0

**⚠ Attention**

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