

# LQW15AN2N2B80#

# indicates a package specification code.



< List of part numbers with package codes >  
 LQW15AN2N2B80D , LQW15AN2N2B80B

## 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

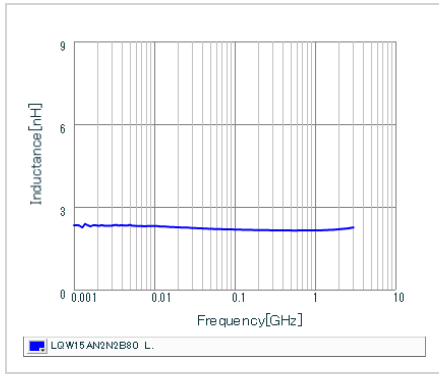
Inductance	2.2nH ±0.1nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	2530mA
Max. of DC resistance	0.022Ω
Q (min.)	30
Q test frequency	250MHz
Self resonance frequency (min.)	15.5GHz
Operating temperature range (Self-temperature rise is not included)	-55~125°C
Series	LQW15AN_80

### Attention

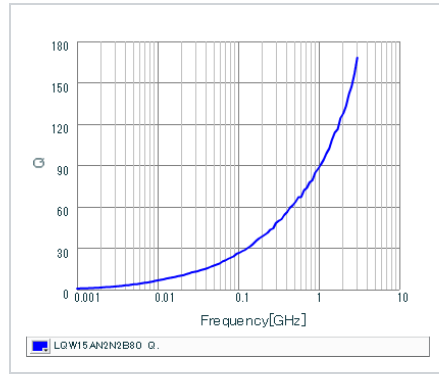
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**Chart of characteristic data (The charts below may show another part number which shares its characteristics.)**

▪ 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 that the component can operate at 100% of its rated current up to 85°C. Above 85°C, the current derating factor decreases linearly, reaching 50% at 125°C. Beyond 125°C, the current derating factor drops to 0%.

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

**⚠ Attention**

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