

LQW15AN5N9B80#

indicates a package specification code.



< List of part numbers with package codes >
 LQW15AN5N9B80D , LQW15AN5N9B80B

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

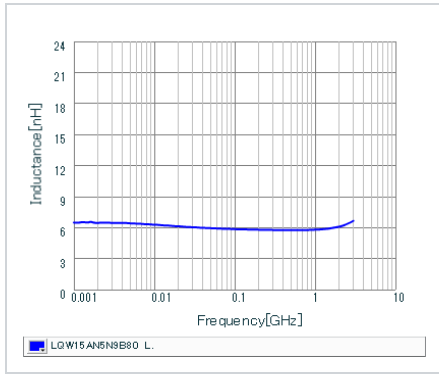
Inductance	5.9nH ±0.1nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1770mA
Max. of DC resistance	0.040Ω
Q (min.)	30
Q test frequency	250MHz
Self resonance frequency (min.)	8.0GHz
Operating temperature range (Self-temperature rise is not included)	-55~125°C
Series	LQW15AN_80

Attention

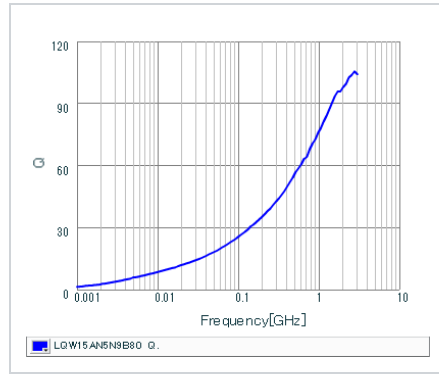
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ 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 line graph showing Current Derating (%) on the y-axis (ranging from 0 to 100) versus Operating Temperature (°C) on the x-axis (ranging from 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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