

LQW15AN4N1C80#

indicates a package specification code.



< List of part numbers with package codes >
 LQW15AN4N1C80D , LQW15AN4N1C80B

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

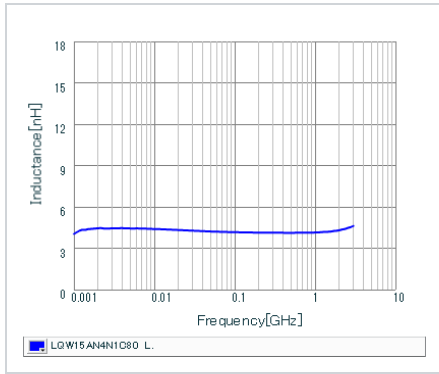
Inductance	4.1nH ±0.2nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1800mA
Max. of DC resistance	0.044Ω
Q (min.)	30
Q test frequency	250MHz
Self resonance frequency (min.)	9.6GHz
Operating temperature range (Self-temperature rise is not included)	-55~125°C
Series	LQW15AN_80

Attention

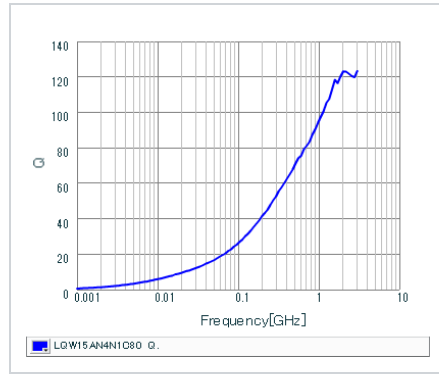
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ 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 rated current that can be 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 sharply to 0%.

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