

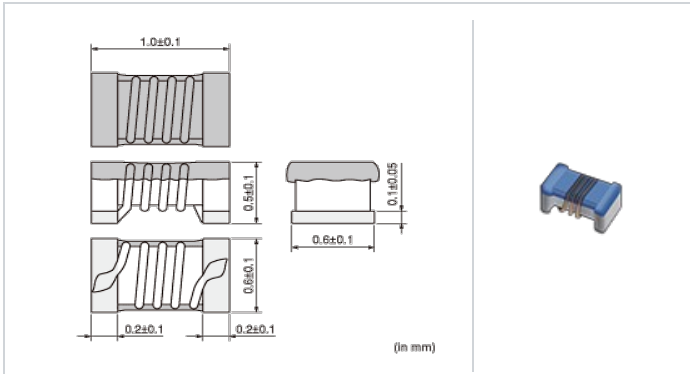
LQW15AN23NJ80#

"#" indicates a package specification code.



< List of part numbers with package codes >
LQW15AN23NJ80D , LQW15AN23NJ80B

Shape



L size	1.0 ±0.1mm
W size	0.6 ±0.1mm
T size	0.5 ±0.1mm
Size code in inch (mm)	0402 (1005)

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

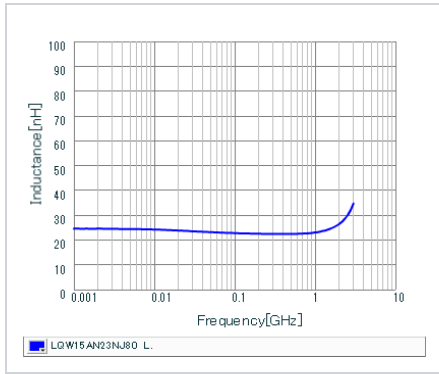
Inductance	23nH ±5%
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	760mA
Max. of DC resistance	0.201Ω
Q (min.)	29
Q test frequency	250MHz
Self resonance frequency (min.)	4.5GHz
Operating temperature range (Self-temperature rise is not included)	-55~125°C
Series	LQW15AN_80

Attention

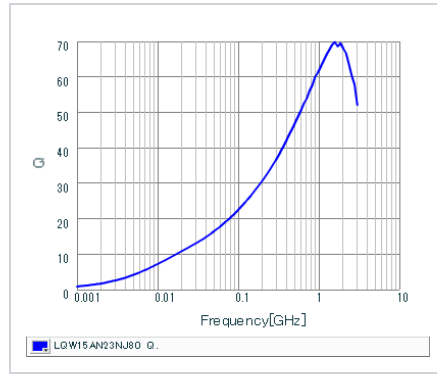
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

▪ 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 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%.

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

⚠ Attention

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