Inductor Data Sheet

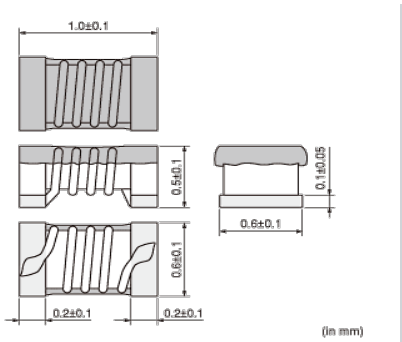
LQW15AN6N1D80#

"#" indicates a package specification code.

In Production | General | 125℃ | Wound (Non mag) | Low Rdc | High Q | Reflow OK | RoHS | REACH

< List of part numbers with package codes >
LQW15AN6N1D80D ， LQW15AN6N1D80B

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℃, 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

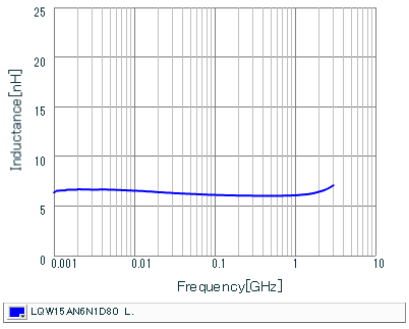
Mass (Typ.)	
1 piece	0.0009g

Specifications

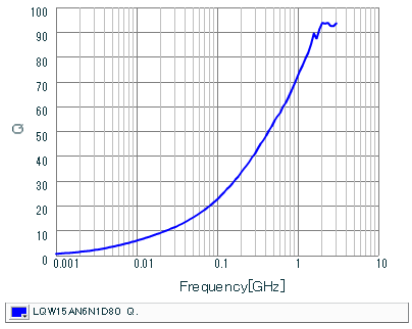
Inductance	6.1nH ±0.5nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1600mA
Max. of DC resistance	0.056Ω
Q (min.)	32
Q test frequency	250MHz
Self resonance frequency (min.)	8.0GHz
Operating temperature range (Self-temperature rise is not included)	-55～125℃
Series	LQW15AN_80

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