Inductor Data Sheet

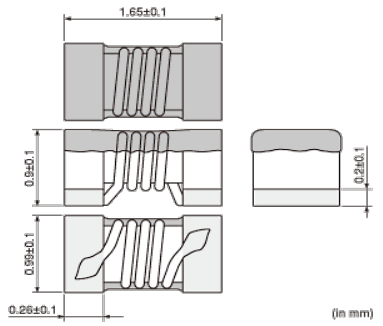
LQW18AN16NG80#

"#" indicates a package specification code.

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

< List of part numbers with package codes >
LQW18AN16NG80D , LQW18AN16NG80J , LQW18AN16NG80B

Shape





L size	1.65 ±0.1mm
W size	0.99 ±0.1mm
T size	0.90 ±0.1mm
Size code in inch (mm)	0603 (1608)

Notes

In operating temperature exceeding +85℃, derating of current is necessary for LQW18AN_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	4000
J	ϕ330mm Paper taping	10000
B	Packing in bulk	500

Mass (Typ.)	
1 piece	0.0034g

Specifications

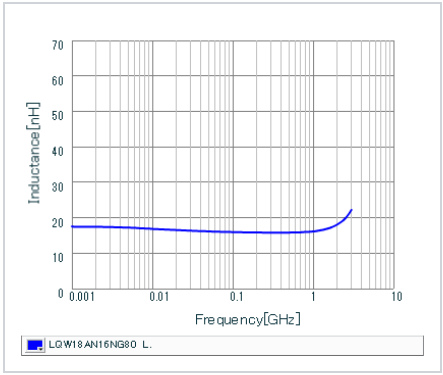
Inductance	16nH ±2%
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1400mA
Max. of DC resistance	0.075Ω
Q (min.)	40
Q test frequency	250MHz
Self resonance frequency (min.)	4600MHz
Operating temperature range (Self-temperature rise is not included)	-55～125℃
Series	LQW18AN_80

Attention

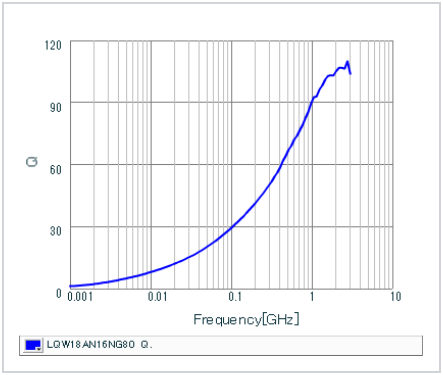
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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

- Inductance-Frequency characteristics (Typ.)



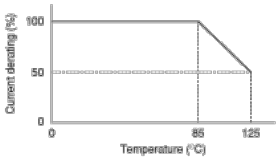
- Q-Frequency characteristics (Typ.)



- Notice (Rating)

In operating temperature exceeding +85°C, derating of current is necessary for LQW18AN_80 series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



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