

# LQW18AN8N2G80#

“#” indicates a package specification code.

High Frequency Inductor with Low DC resistance and High Current Capability



< List of part numbers with package codes >

LQW18AN8N2G80B      LQW18AN8N2G80D      LQW18AN8N2G80J

## Appearance & Shape



## References

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	500
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

Mass (typ.)	
1 piece	0.0034g

**Attention**

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## Specifications

L size	1.65±0.1mm
W size	0.99±0.1mm
T size	0.9±0.1mm
Size code inch (mm)	0603 (1608)
Inductance	8.2nH±2%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1600mA
Max. of DC resistance	0.052Ω
Q(min.)	38
Q Test Frequency	250MHz
Self resonance frequency (min.)	4750MHz
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Brand	Murata
Series	LQW18AN_80

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## Notice For General

In operating temperatures exceeding +85°C, derating of current is necessary for this series.

Please apply the derating curve shown in the chart according to the operating temperature.

### Derating of Rated Current



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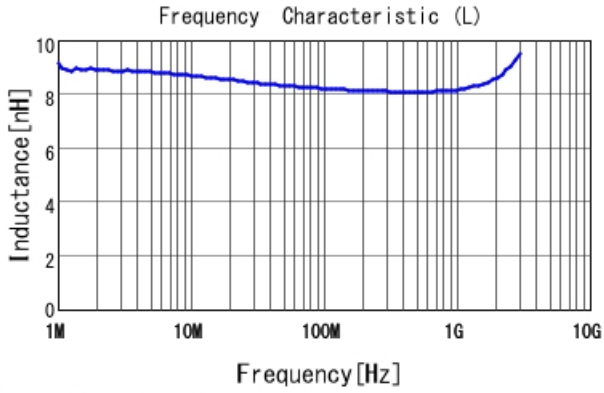
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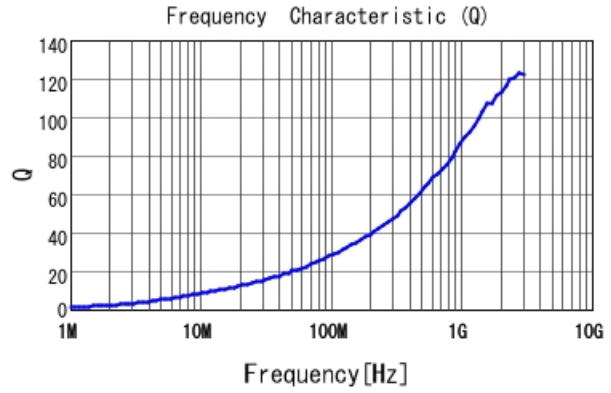


## Characteristic Data

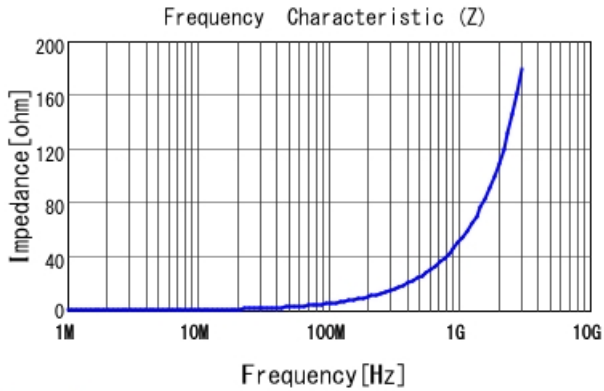
The charts below may show another part number which shares its characteristics.



LQW18AN8N2G80 L



LQW18AN8N2G80 Q



LQW18AN8N2G80 |Z|

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