

# LQW18AN6N5G8Z#

“#” indicates a package specification code.

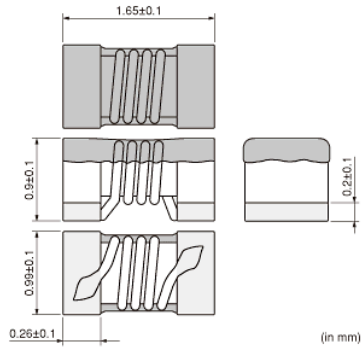
RF inductor with low DC resistance and large current capacity



< List of part numbers with package codes >

LQW18AN6N5G8ZB      LQW18AN6N5G8ZD      LQW18AN6N5G8ZJ

## 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

## Notices

Please consider 'Notice (Rating).

### Attention

- 1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
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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	6.5nH±2%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1900mA
Max. of DC resistance	0.04Ω
Q(min.)	40
Q Test Frequency	250MHz
Self resonance frequency (min.)	6650MHz
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Brand	Murata
Series	LQW18AN_8Z

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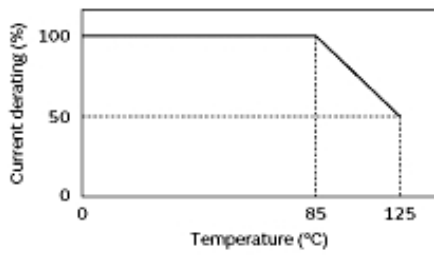


## Notice For General

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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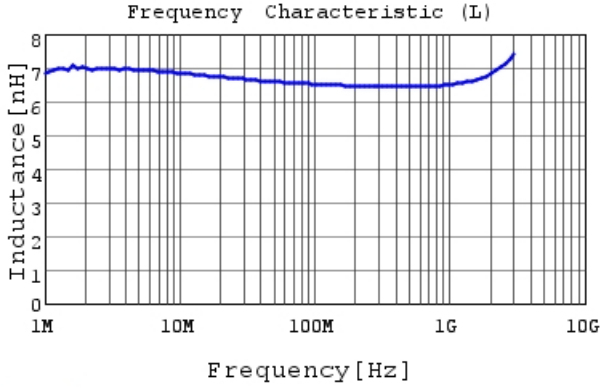
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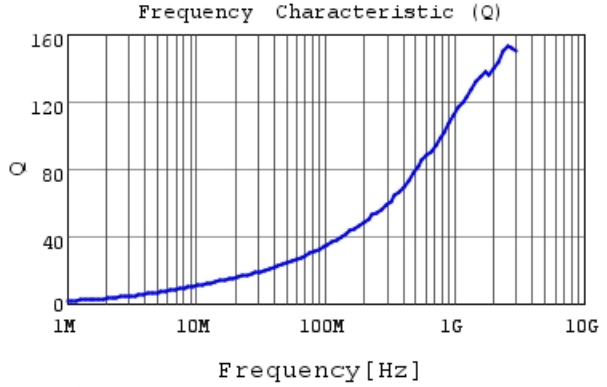


## Characteristic Data

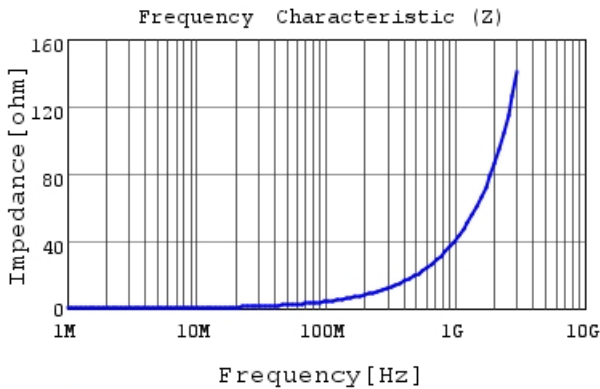
The charts below may show another part number which shares its characteristics.



LQW18AN6N5G8Z L



LQW18AN6N5G8Z Q



LQW18AN6N5G8Z |Z|

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