

# LQW18AN48NG8Z#

“#” indicates a package specification code.

RF inductor with low DC resistance and large current capacity



< List of part numbers with package codes >

LQW18AN48NG8ZB      LQW18AN48NG8ZD      LQW18AN48NG8ZJ

## 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.
- 2.This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please review our product specifications or consult the approval sheet for product specifications 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	48nH±2%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	830mA
Max. of DC resistance	0.23Ω
Q(min.)	32
Q Test Frequency	200MHz
Self resonance frequency (min.)	2700MHz
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Brand	Murata
Series	LQW18AN_8Z

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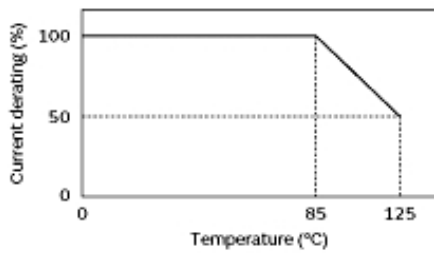


## Notice For General

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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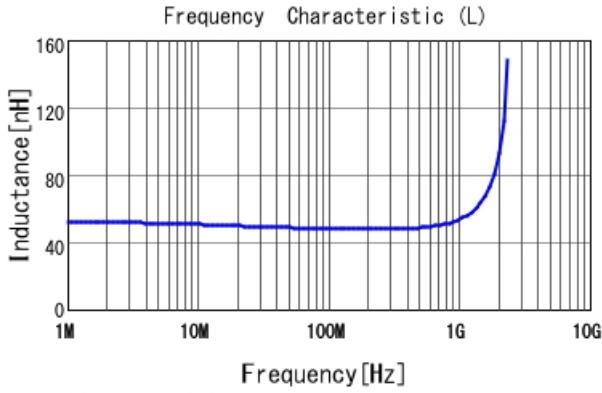
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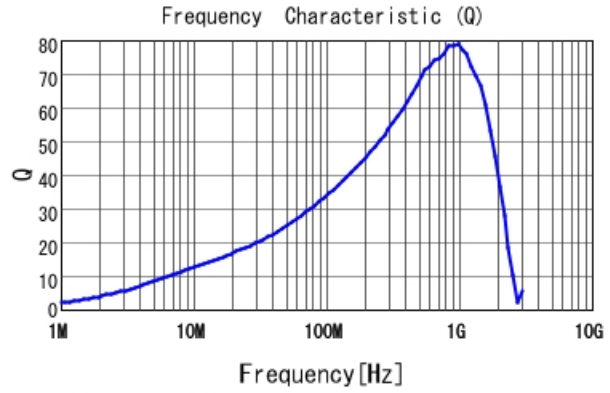


## Characteristic Data

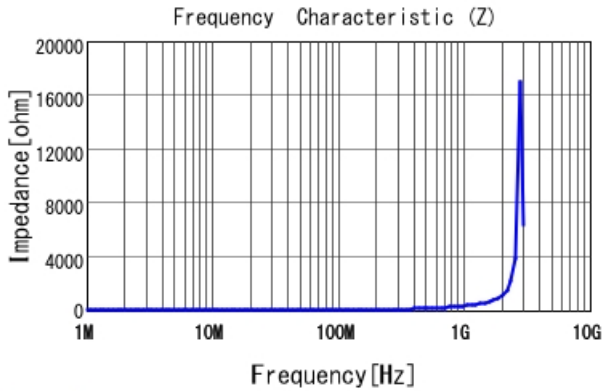
The charts below may show another part number which shares its characteristics.



LQW18AN48NG8Z L



LQW18AN48NG8Z Q



LQW18AN48NG8Z |Z|

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