

LQW18AN3N9C8Z#

“#” indicates a package specification code.

RF inductor with low DC resistance and large current capacity



< List of part numbers with package codes >

LQW18AN3N9C8ZB LQW18AN3N9C8ZD LQW18AN3N9C8ZJ

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

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- 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	3.9nH±0.2nH
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	2200mA
Max. of DC resistance	0.028Ω
Q(min.)	30
Q Test Frequency	250MHz
Self resonance frequency (min.)	10000MHz
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
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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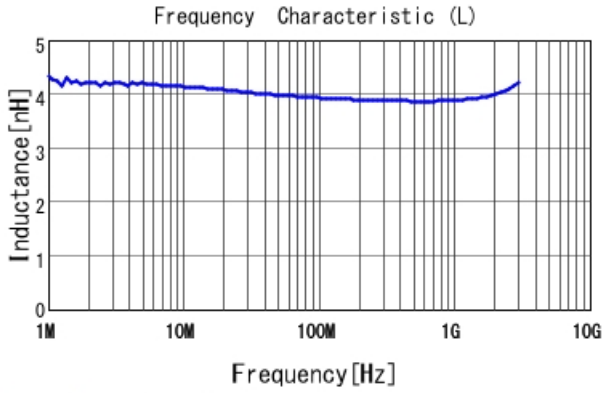
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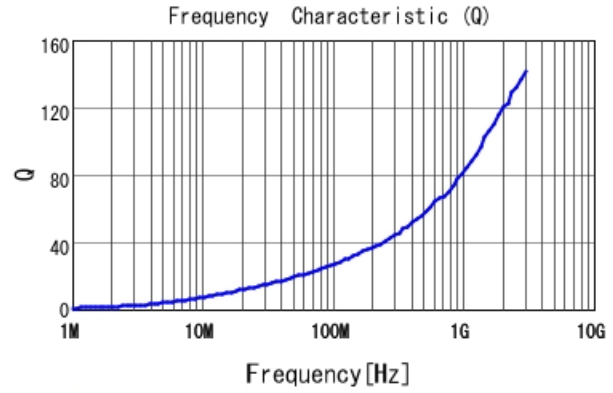


Characteristic Data

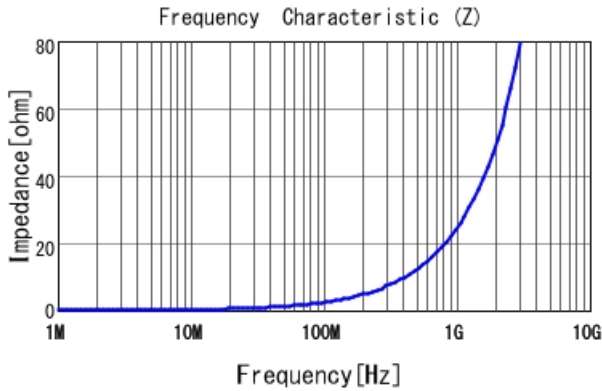
The charts below may show another part number which shares its characteristics.



LQW18AN3N9C8Z L



LQW18AN3N9C8Z Q



LQW18AN3N9C8Z |Z|

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