

Note: This datasheet may be out of date.

Please download the latest datasheet of LQW18ANR18J8Z# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=LQW18ANR18J8Z%23

"#"at the end indicates the package specification code.

RF inductor with low DC resistance and large current capacity



















< List of part numbers with package codes >

LQW18ANR18J8ZB

LQW18ANR18J8ZD

LQW18ANR18J8ZJ



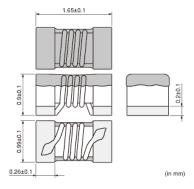
Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product	
Decemended	1104401	
Recommended	Automotive infotainment/comfort	
Applications	equipment	



Appearance & Shape







Notices

Please consider 'Notice (Rating).

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2. This datasheet has only typical specifications because there is no space for detailed specifications.





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References

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

Ma	ss (typ.)	
1 p	iece	0.0034g

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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	180nH±5%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	310mA
Max. of DC resistance	1.65Ω
Operating Temperature Range(Self-temperature rise is not included)	-55°C to 125°C
Class of magnetic shield	Non-Shielded
Q(min.)	25
Q Test Frequency	100MHz
Self resonance frequency (min.)	1380MHz
Brand	Murata
Series	LQW18AN_8Z

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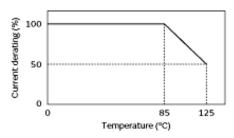


Notice For General

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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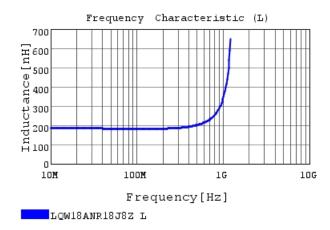
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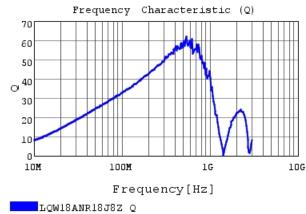
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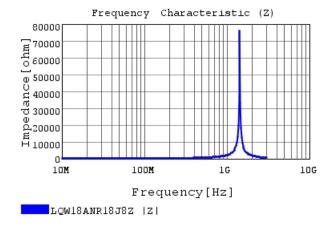


Characteristic Data

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







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