

Note: This datasheet may be out of date. Please download the latest datasheet of LQW18AN12NJ8Z# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=LQW18AN12NJ8Z%23

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

RF inductor with low DC resistance and large current capacity

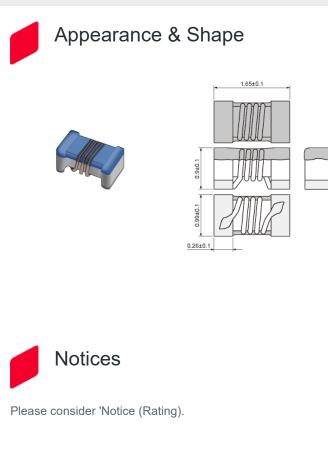
LQW18AN12NJ8Z#



< List of part numbers with package codes > LQW18AN12NJ8ZB LQW18AN12NJ8ZD LQW18AN12NJ8ZJ

Applications

Linevitelele	Discos he sume to used and somethy with
Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Applications 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.
Recommended	Automotive infotainment/comfort
Applications	equipment



Attention

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(in mm)



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References

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

Mass (typ.)	
1 piece	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	12nH±5%
Inductance Test Frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1500mA
Max. of DC resistance	0.064Ω
Operating Temperature Range(Self-temperature rise is not included)	-55℃ to 125℃
Class of magnetic shield	Non-Shielded
Q(min.)	37
Q Test Frequency	250MHz
Self resonance frequency (min.)	5000MHz
Brand	Murata
Series	LQW18AN_8Z

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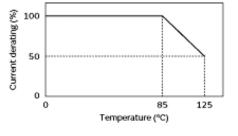
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In operating temperatures exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in the chart according to the operating temperature.

Derating of Rated Current



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Product Search Data Sheet

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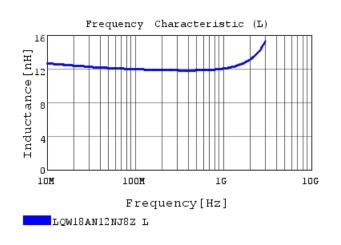
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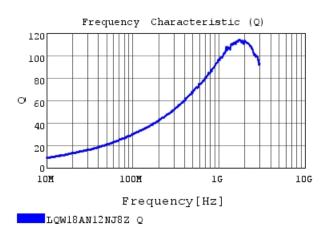
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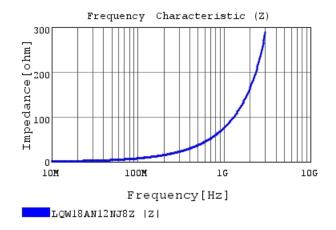
Characteristic Data

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







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