

Note: This datasheet may be out of date.

Please download the latest datasheet of NFZ18SM501SZ10# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NFZ18SM501SZ10%23

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









< List of part numbers with package codes > NFZ18SM501SZ10B NFZ18SM501SZ10D



Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment,Consumer 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



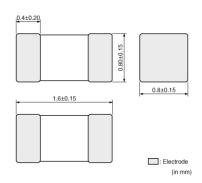
Packaging Information

	Packaging	Specifications	Standard
			Packing
			Quantity
	В	Bulk(Bag)	1000
	D	180mm Paper Tape	4000



Appearance & Shape





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Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



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Features

 NFZ18SM of the audio line of Class D amplifier, etc. It is a noise filter that is designed for radiation noise suppression.

By inserting in series with the audio line, thereby deteriorating the audio distortion possible to attenuate the noise component in the vicinity of 100 to 500MHz.

- 2. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
- 3. NFZ18SM series low DC Resistance.Large Current in a small. The Rated Current is the maximum 1.25A.
- 4. Corresponds to 125 °C maximum use temperature.

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Specifications

Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.8mm
Thickness Tolerance	±0.15mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.005g
Number of Circuit	1
Rated Current (at 85°C)	950mA
Rated Current (at 125°C)	850mA
DC Resistance(max.)	0.25Ω
DC Resistance	0.20Ω (Typ.)
Impedance (at 100MHz)	500Ω
Impedance (at 100MHz) Tolerance	±25%
Size Code (in mm)	1608

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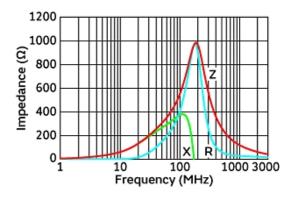
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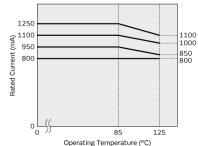
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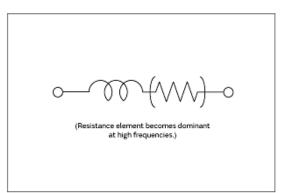


In operating temperature exceeding +85°C, derating of current is necessary for NFZ18SM series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Impedance-Frequency Characteristics



Derating of Rated Current

Equivalent Circuit

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