

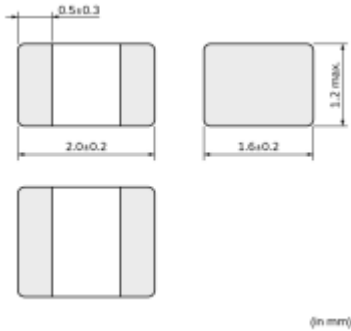
NFZ2MSD501SZ10#

“#” indicates a package specification code.



< List of part numbers with package codes >
NFZ2MSD501SZ10L

Appearance & Shape



Features

1. NFZ2MSD_SZ is a noise filter designed for noise suppression of audio lines in car navigation systems, car radios, and other automotive information equipment.
2. Can be used in high current circuits due to its low DC resistance.
3. Low magnetic flux leakage with magnetically shielded structure.
4. Meets 125°C maximum operating temperature.

Applications

Automotive Usage	Infotainment
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Packaging Information

Packaging	Specifications	Minimum Order Quantity
L	180mm Embossed Tape	3000

Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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

Shape	SMD	Impedance (at 100MHz)	500Ω
Size Code (in mm)	2016	Impedance (at 100MHz) Tolerance	(Typ.)
Size Code (in inch)	0806	Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Length	2.0mm		
Length Tolerance	±0.2mm		
Width	1.6mm		
Width Tolerance	±0.2mm		
Thickness	1.2mm		
Thickness Tolerance	max.		
Rated Current	3.2A		
Operating Temperature Range	-40°C to 85°C		
Mass(typ.)	0.0188g		
Number of Circuit	1		
DC Resistance(max.)	32mΩ		
DC Resistance	32mΩ max.		
Impedance (at 10MHz)	29Ω		
Impedance (at 10MHz) Tolerance	±30%		

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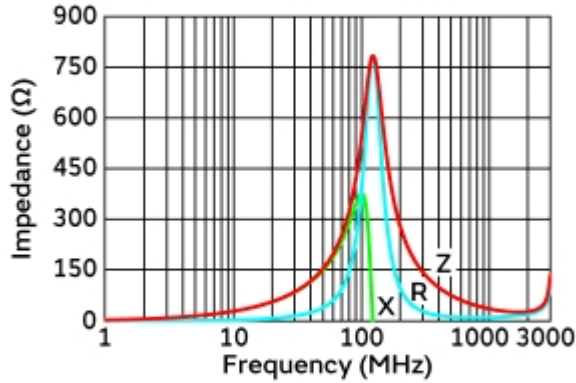
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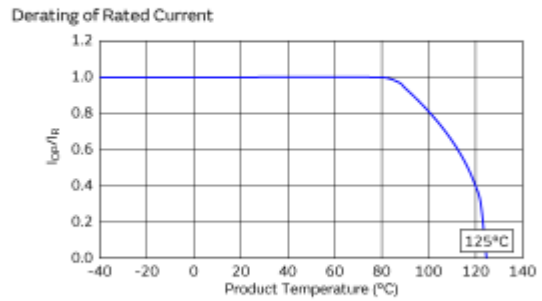
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Product Data



Impedance-Frequency Characteristics

Max. current (DC, AC) as function of product temperature (derating curve).



Derating of Rated Current



Equivalent Circuit

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