Note: This datasheet may be out of date.
Please download the latest datasheet of NFZ2MSD501SZ10# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=NFZ2MSD501SZ10%23

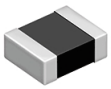
NFZ2MSD501SZ10#

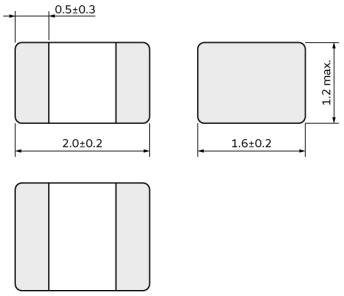
"#" indicates a package specification code.

In Production | AEC-Q200 | RoHS | REACH

< List of part numbers with package codes >
NFZ2MSD501SZ10L

Appearance & Shape





(in mm)

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

Packaging Information

Packaging	Specifications	Standard Packing Quantity
L	180mm Embossed Tape	3000

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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NFZ2MSD501SZ10#

"#" indicates a package specification code.

Specifications

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

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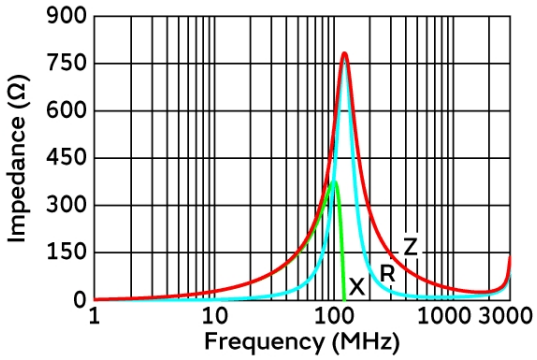
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NFZ2MSD501SZ10#

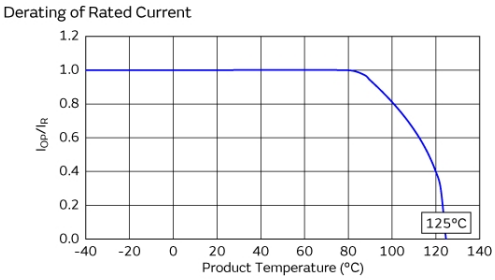
"#" indicates a package specification code.

Product Data

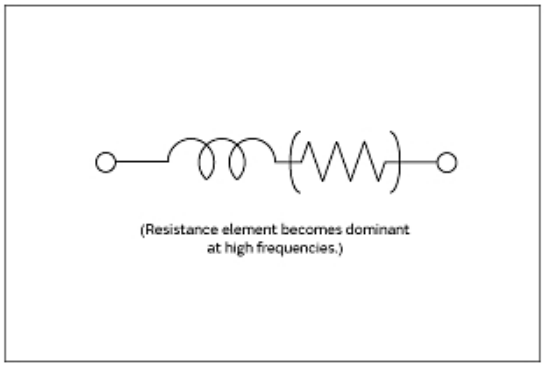


Impedance-Frequency Characteristics

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



Derating of Rated Current



Equivalent Circuit

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