

NFZ2MSD101SZ10#

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 Please download the latest datasheet of NFZ2MSD101SZ10# from the official website of Murata
<http://www.murata.com/en-us/products/productdetail?partno=NFZ2MSD101SZ10%23>

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

In Production

AEC-Q200

RoHS

REACH

< List of part numbers with package codes >

NFZ2MSD101SZ10L

Applications

Unsuitable Applications	Please be sure to read and comply with 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 Applications	Automotive infotainment/comfort equipment

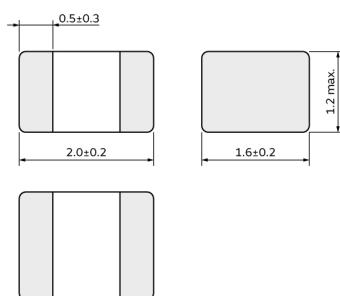
Packaging Information

Packaging	Specifications	Standard Packing Quantity
L	180mm Embossed Tape	3000

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.

Appearance & Shape



(in mm)

1 of 3

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
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°C to 85°C
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Mass(typ.)	0.0188g
Number of Circuit	1
Rated Current (at 85°C)	5.2A
DC Resistance(max.)	18mΩ
Impedance (at 10MHz)	9Ω
Impedance (at 10MHz) Tolerance	±30%
Impedance (at 100MHz)	100Ω
Impedance (at 100MHz) Tolerance	(Typ.)
Size Code (in mm)	2016

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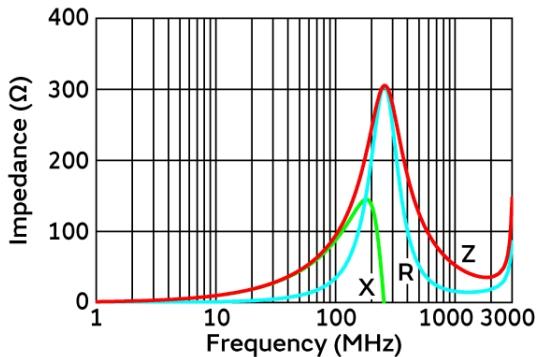
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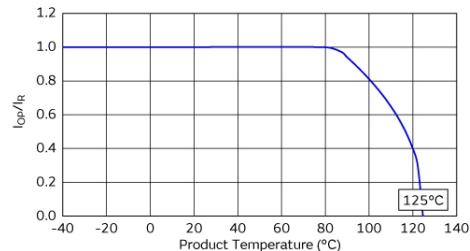
Product Data



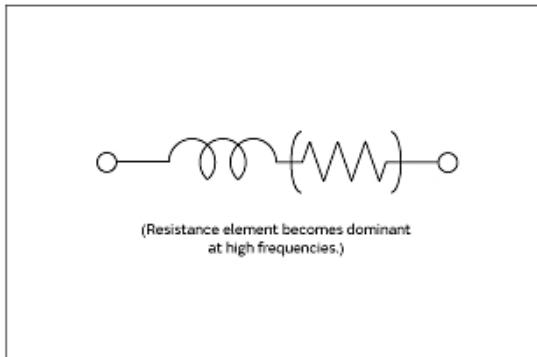
Impedance-Frequency Characteristics

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

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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