

# NFZ2MSM181SN10#

“#” at the end indicates the package specification code.

In Production

RoHS

REACH

## < List of part numbers with package codes >

NFZ2MSM181SN10B

NFZ2MSM181SN10L

## Applications

|                          |  |
|--------------------------|--|
| Unsuitable Applications  | Please be sure to read and comply with these "Precautions for use."  |
| Specific Applications    | <p>Consumer equipment, Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector, Industrial equipment except for transportation &amp; facility &amp; energy equipment</p> <p>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.</p> |
| Recommended Applications | Consumer equipment   |

## Packaging Information

| Packaging | Specifications      | Standard Packing Quantity |
|-----------|---------------------|---------------------------|
| B         | Bulk(Bag)           | 1000                      |
| L         | 180mm Embossed Tape | 3000                      |

## Features

1. Less audio distortion designing because of highly linear characteristics of magnetic hysteresis.
2. Large rated current of 4000mA. (at 100ohm)
3. Low DC resistance is realized.
4. Low magnetic flux leakage with magnetically shielded structure.

## Appearance & Shape



### 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                       | 0.9mm         |
| Thickness Tolerance             | ±0.1mm        |
| Operating Temperature Range     | -40°C to 85°C |
| Mass(typ.)                      | 0.012g        |
| Number of Circuit               | 1             |
| Rated Current (at 85°C)         | 3.4A          |
| DC Resistance(max.)             | 0.025Ω        |
| DC Resistance                   | 0.020Ω (Typ.) |
| Impedance (at 100MHz)           | 180Ω          |
| Impedance (at 100MHz) Tolerance | ±25%          |
| Size Code (in mm)               | 2016          |

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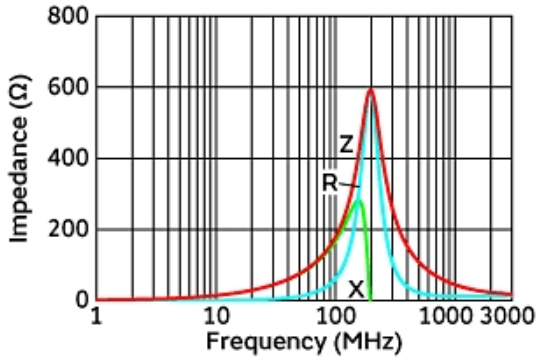
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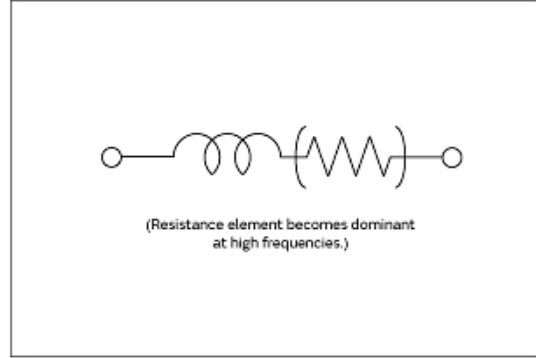
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## Product Data



Impedance-Frequency Characteristics



Equivalent Circuit

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