

NFZ5BBW7R6LZ10#

“#” indicates a package specification code.

In Production

AEC-Q200

RoHS

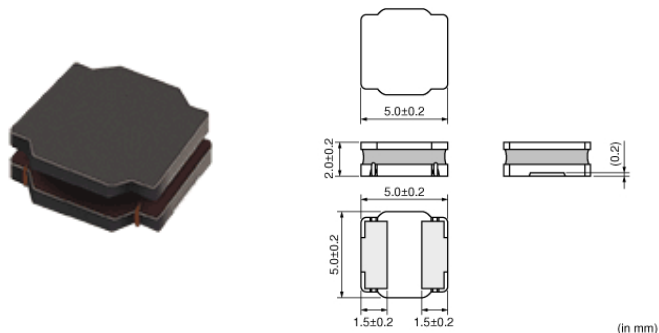
REACH

< List of part numbers with package codes >

NFZ5BBW7R6LZ10K

NFZ5BBW7R6LZ10L

Appearance & Shape



Features

1. The NFZ series is an impedance component designed for the radiation noise ranges from 30 to 150MHz. With high impedance generated, this product can suppress noise element connecting to noise conduction route in series. Moreover, with wide line up corresponding to various frequency range, optimum product can be selected according to the model or set.
2. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
3. NFZ series low DC Resistance. Large Current. The Rated Current is the maximum 4A.
4. Corresponds to 125 °C maximum use temperature.

Applications

Automotive Usage

Infotainment

Packaging Information

Packaging	Specifications	Standard Packing Quantity
K	330mm Embossed Tape	3000
L	180mm Embossed Tape	500

Attention

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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Specifications

Shape	SMD
Size Code (in inch)	2020
Length	5.0mm
Length Tolerance	±0.2mm
Width	5.0mm
Width Tolerance	±0.2mm
Thickness	2.0mm
Thickness Tolerance	±0.2mm
Operating Temperature Range	-40°C to 105°C
Operating Temperature Range (Self-temperature rise is included)	-40°C to 125°C
Mass(typ.)	0.22g
Number of Circuit	1
Rated Current (at 85°C)	3.1A
Rated Current (at 105°C)	1.68A
DC Resistance(max.)	0.023Ω
DC Resistance	0.019Ω±20%
Impedance (at 1MHz)	7.6Ω
Impedance (at 1MHz) Tolerance	±30%
Size Code (in mm)	5050

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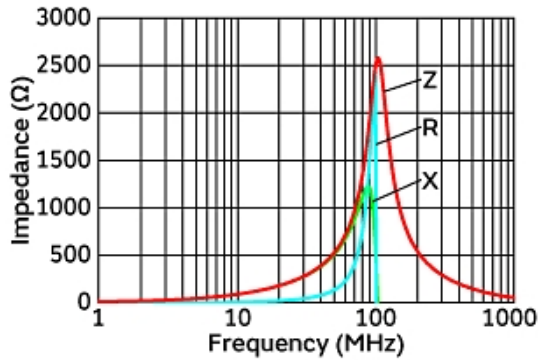
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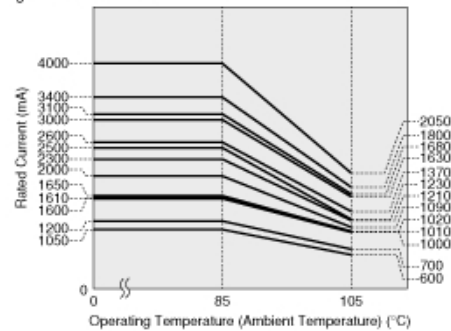
Product Data



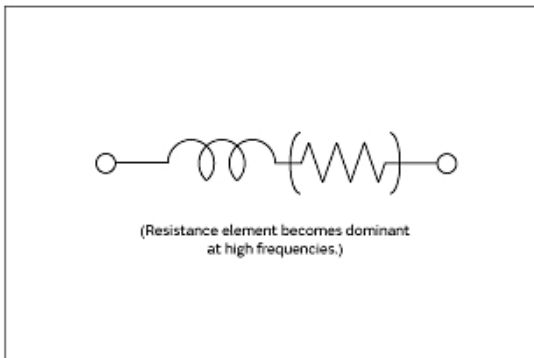
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for NFZ5BBW_L□10 series. Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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