

NFZ5BBW6R7LZ10#

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



< List of part numbers with package codes >

NFZ5BBW6R7LZ10K NFZ5BBW6R7LZ10L

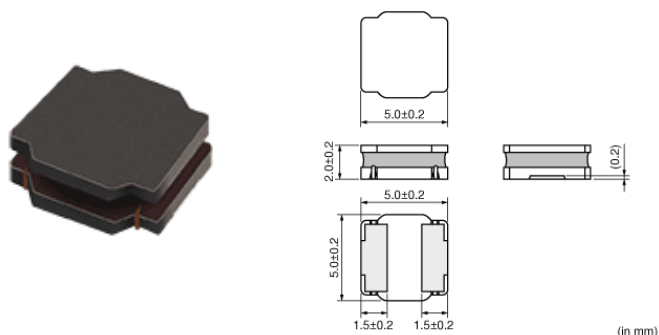
Applications

| | |
|--------------------------|--|
| 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 |
|-----------|---------------------|---------------------------|
| K | 330mm Embossed Tape | 3000 |
| L | 180mm Embossed Tape | 500 |

Appearance & Shape



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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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.

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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) | 3100mA |
| Rated Current (at 105°C) | 1680mA |
| DC Resistance(max.) | 0.023Ω |
| DC Resistance | 0.019Ω±20% |
| Impedance (at 1MHz) | 6.7Ω |
| Impedance (at 1MHz) Tolerance | ±30% |
| Size Code (in mm) | 5050 |

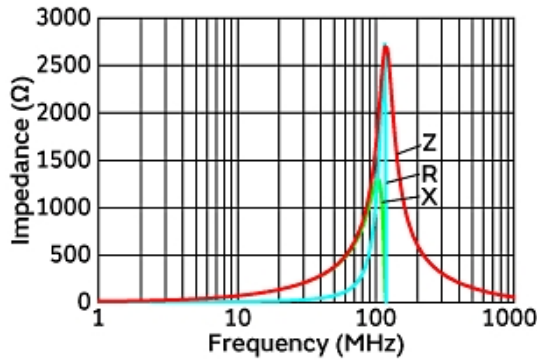
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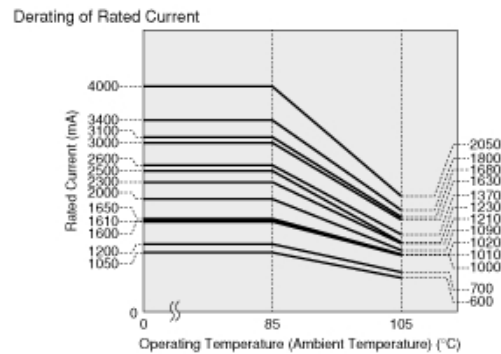
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Product Data

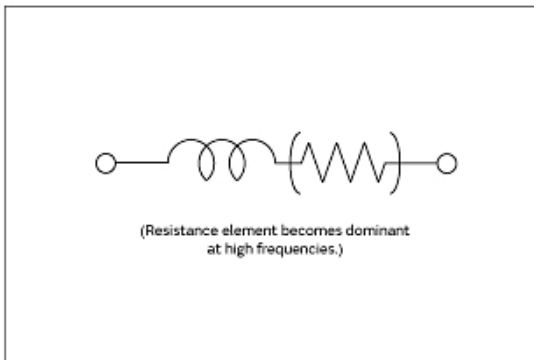


Impedance-Frequency Characteristics

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



Equivalent Circuit

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