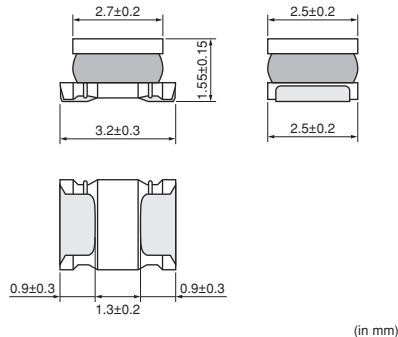


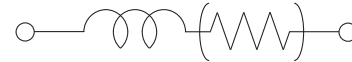
EMIFIL® (Inductor type) chipEMIFIL®

NFZ32BW_HN11 Series (1210 Size)

■ Dimensions



■ Equivalent Circuit



(Resistance element becomes dominant at high frequencies.)

■ Packaging

| Code | Packaging | Minimum Quantity |
|------|---------------------|------------------|
| L | 180mm Embossed Tape | 2000 |
| K | 330mm Embossed Tape | 7500 |

■ Rated Value (□: packaging code)

| Part Number | Impedance (at 100MHz/20°C) | Impedance (at 1MHz/20°C) | Rated Current | DC Resistance | Operating Temperature Range (Self-temperature rise is included) | Operating Temperature Range |
|-----------------|-------------------------------|-----------------------------|---------------|---------------|--|--------------------------------|
| NFZ32BW3R3HN11□ | - | 3.3ohm ±30% | 2900mA | 0.024ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW6R8HN11□ | - | 6.8ohm ±30% | 2500mA | 0.036ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW8R4HN11□ | - | 8.4ohm ±30% | 2400mA | 0.048ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW9R8HN11□ | - | 9.8ohm ±30% | 2100mA | 0.053ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW120HN11□ | - | 12ohm ±30% | 1850mA | 0.064ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW190HN11□ | - | 19ohm ±30% | 1800mA | 0.089ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW210HN11□ | - | 21ohm ±30% | 1550mA | 0.100ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW310HN11□ | - | 31ohm ±30% | 1200mA | 0.155ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW520HN11□ | - | 52ohm ±30% | 1100mA | 0.220ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW650HN11□ | - | 65ohm ±30% | 900mA | 0.295ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW101HN11□ | - | 100ohm ±30% | 900mA | 0.475ohm±20% | -40 to +125°C | -40 to +105°C |
| NFZ32BW151HN11□ | - | 150ohm ±30% | 700mA | 0.685ohm±20% | -40 to +125°C | -40 to +105°C |

Number of Circuits: 1

■ Notice (Rating)

When Rated Current is applied to the Products,
self-generation of heat will rise to 40°C or less.

Continued on the following page.

● This data sheet is applied for CHIP EMIFIL® used for General Electronics equipment for your design.

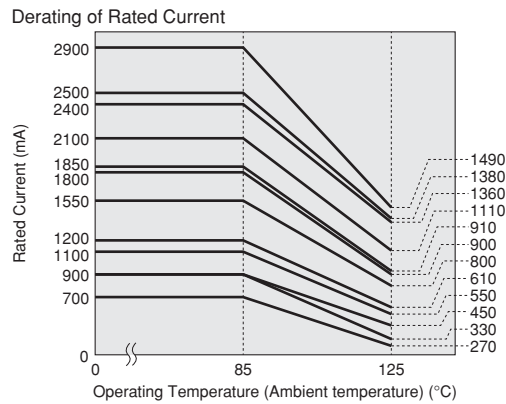
⚠ Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's 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.
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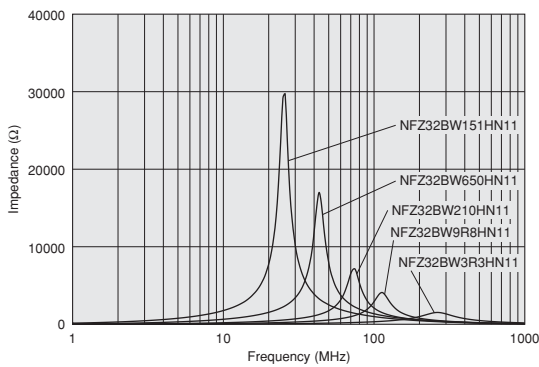
Continued from the preceding page.

Derating of Rated Current

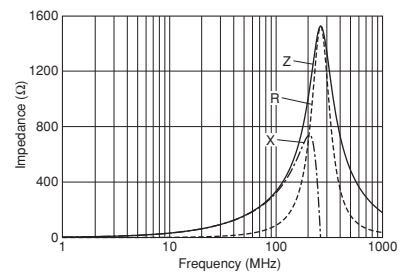
In operating temperature exceeding +85°C, derating of current is necessary for NFZ32BW_HN11 series. Please apply the derating curve shown in chart according to the operating temperature.



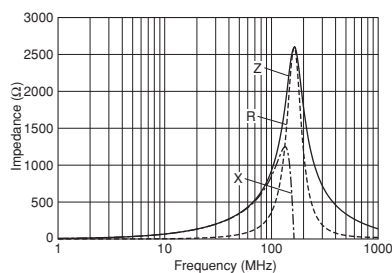
Impedance-Frequency Characteristics (Main Items)



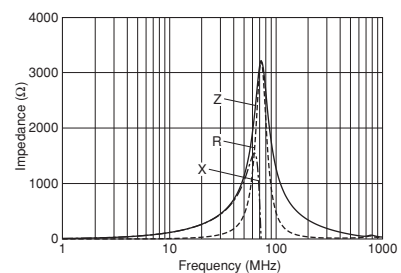
Impedance-Frequency Characteristics NFZ32BW3R3HN11



Impedance-Frequency Characteristics NFZ32BW6R8HN11



Impedance-Frequency Characteristics NFZ32BW8R4HN11



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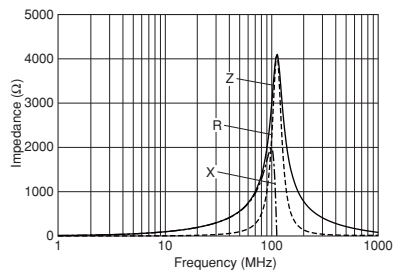
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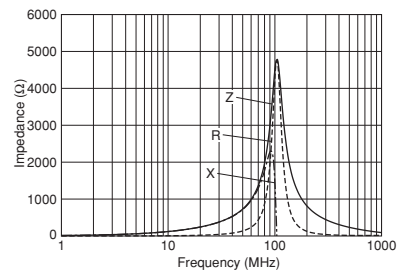
Impedance-Frequency Characteristics

NFZ32BW9R8HN11



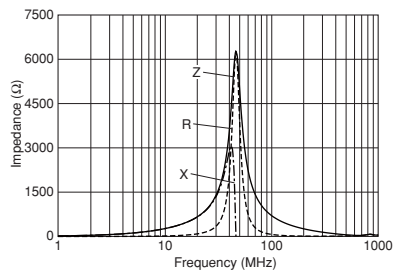
Impedance-Frequency Characteristics

NFZ32BW120HN11



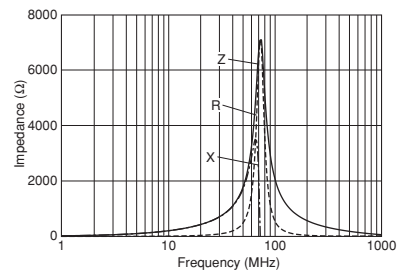
Impedance-Frequency Characteristics

NFZ32BW190HN11



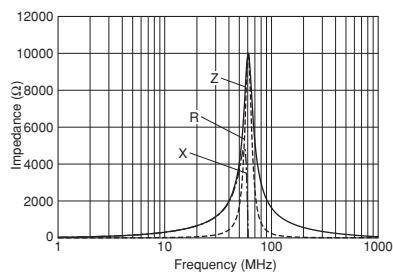
Impedance-Frequency Characteristics

NFZ32BW210HN11



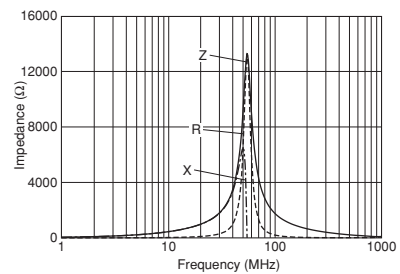
Impedance-Frequency Characteristics

NFZ32BW310HN11



Impedance-Frequency Characteristics

NFZ32BW520HN11



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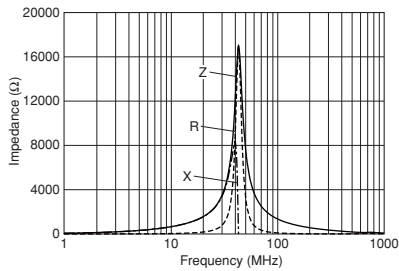
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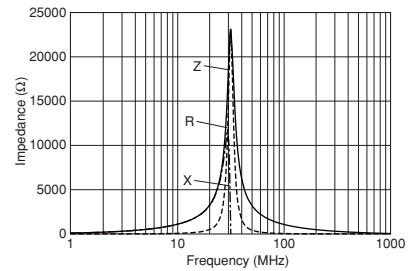
Impedance-Frequency Characteristics

NFZ32BW650HN11



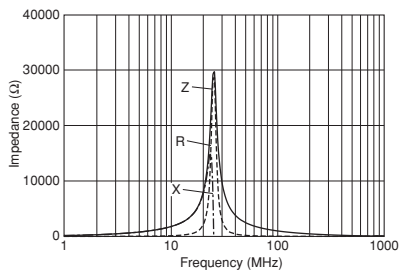
Impedance-Frequency Characteristics

NFZ32BW101HN11



Impedance-Frequency Characteristics

NFZ32BW151HN11



⚠ Caution/Notice

⚠ Caution (Rating)

Do not use products beyond the rated current as this may create excessive heat and deteriorate the insulation resistance.

Notice

Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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