

NFE31PT471F1E9#

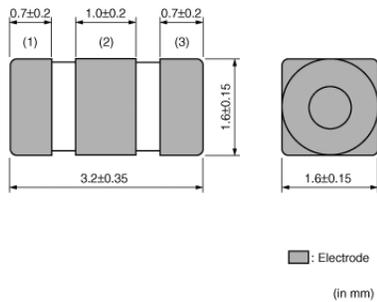
“#” indicates a package specification code.



< List of part numbers with package codes >

NFE31PT471F1E9L NFE31PT471F1E9K NFE31PT471F1E9B

Appearance & Shape



Features

The chip "EMIFIL" NFE31PT is a small size T-type circuit EMI suppression filter.

Features

1. Its large rated current of 6A and low voltage drop due to small DC resistance are suitable for DC power line use.
2. The feedthrough capacitor realizes excellent high frequency characteristics.
3. The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.
4. 22 to 2,200pF lineups can be used in signal lines.

Applications

| | |
|-------------|-------------|
| Other Usage | For general |
|-------------|-------------|

Packaging Information

| Packaging | Specifications | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| L | 180mm Embossed Tape | 2000 |
| K | 330mm Embossed Tape | 8000 |
| B | Bulk(Bag) | 500 |

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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Specifications

| | | | |
|-----------------------------|---------------|-----------------------|---------|
| Shape | SMD | Capacitance Tolerance | 50/-20% |
| Size Code (in mm) | 3216 | | |
| Size Code (in inch) | 1206 | | |
| Length | 3.2mm | | |
| Length Tolerance | ±0.35mm | | |
| Width | 1.6mm | | |
| Width Tolerance | ±0.15mm | | |
| Thickness | 1.6mm | | |
| Thickness Tolerance | ±0.15mm | | |
| Rated Current | 6A | | |
| Operating Temperature Range | -40°C to 85°C | | |
| Mass(typ.) | 0.034g | | |
| Number of Circuit | 1 | | |
| Insulation Resistance(min.) | 1000MΩ | | |
| Rated Voltage | 25Vdc | | |
| Withstanding Voltage | 62.5Vdc | | |
| Capacitance | 470pF | | |

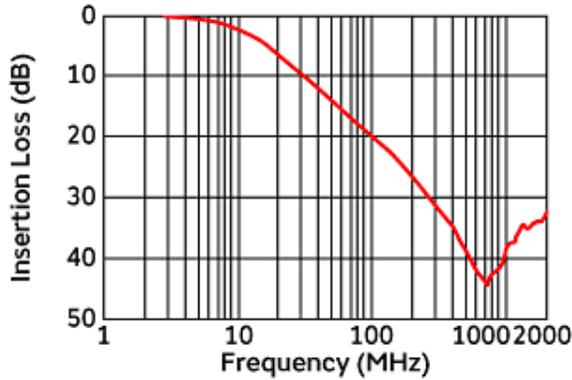
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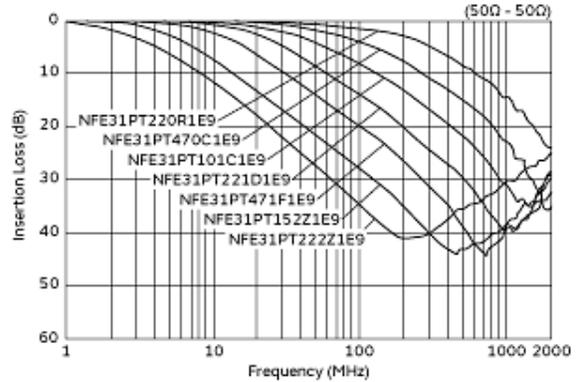
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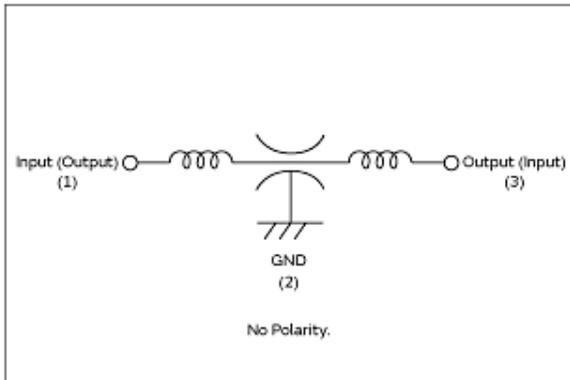
Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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