

# NFE61PT680B1H9#

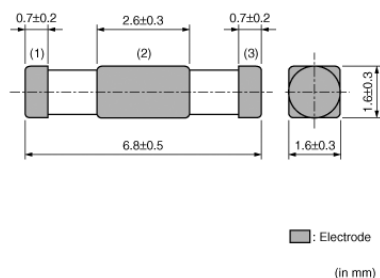
"#" indicates a package specification code.



< List of part numbers with package codes >

NFE61PT680B1H9L NFE61PT680B1H9K NFE61PT680B1H9B

## Appearance & Shape



## Features

The chip "EMIFIL" NFE61PT is a T-type circuit EMI suppression filter.

### Features

1. Its large rated current of 2A 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. 33 to 4,700pF lineups can be used in signal lines.

## Applications

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

## Packaging Information

| Packaging | Specifications      | Minimum Order Quantity |
|-----------|---------------------|------------------------|
| L         | 180mm Embossed Tape | 2500                   |
| K         | 330mm Embossed Tape | 8000                   |
| B         | Bulk(Bag)           | 500                    |

### Attention

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.  
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 | ±30% |
| Size Code (in mm)           | 6816          |                       |      |
| Size Code (in inch)         | 2706          |                       |      |
| Length                      | 6.8mm         |                       |      |
| Length Tolerance            | ±0.5mm        |                       |      |
| Width                       | 1.6mm         |                       |      |
| Width Tolerance             | ±0.3mm        |                       |      |
| Thickness                   | 1.6mm         |                       |      |
| Thickness Tolerance         | ±0.3mm        |                       |      |
| Rated Current               | 2A            |                       |      |
| Operating Temperature Range | -40°C to 85°C |                       |      |
| Mass(typ.)                  | 0.062g        |                       |      |
| Number of Circuit           | 1             |                       |      |
| Insulation Resistance(min.) | 1000MΩ        |                       |      |
| Rated Voltage               | 50Vdc         |                       |      |
| Withstanding Voltage        | 125Vdc        |                       |      |
| Capacitance                 | 68pF          |                       |      |

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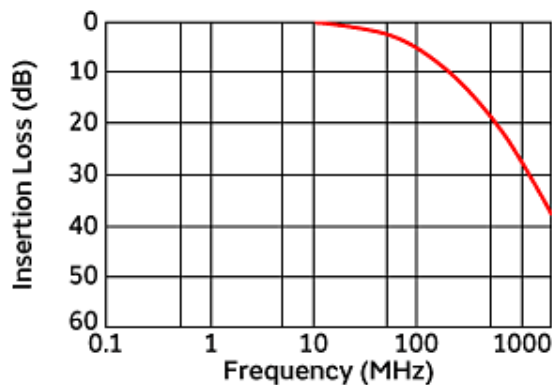
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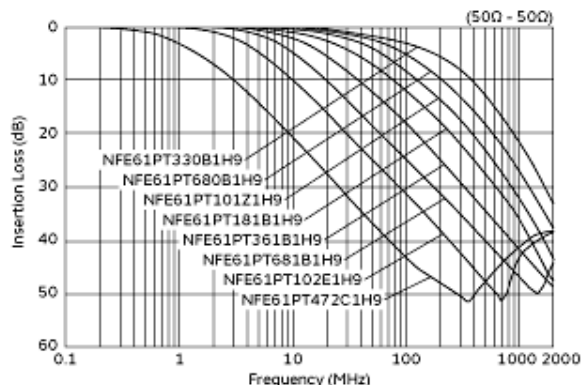
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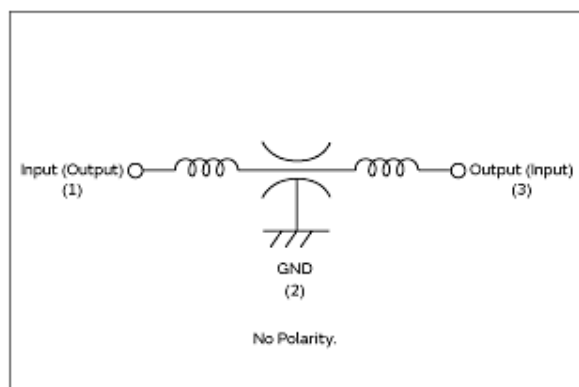
## Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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