

# NFE61PT102E1H9#

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

● In Production

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NFE61PT102E1H9K,NFE61PT102E1H9B,NFE61PT102E1H9L

### Applications

Unsuitable Applications	Please be sure to read and comply with these " <u>Precautions for use</u> ".
Specific Applications	<u>Consumer equipment,Industrial equipment except for transportation &amp; facility &amp; energy equipment,Medical equipment [GHTF A/B/C] except for implant &amp; surgery &amp; auto injector</u>  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	Consumer equipment

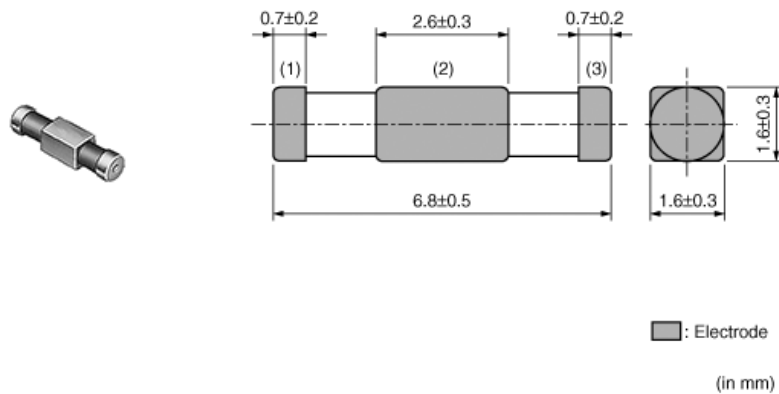
### Attention

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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## Appearance & Shape



Length	6.8mm ±0.5mm
Width	1.6mm ±0.3mm
Thickness	1.6mm ±0.3mm
Size code in mm(inch)	6816/2706
Shape	SMD

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## Specifications

Shape	SMD
Operating Temperature	-40 ~ 85°C
Number of Circuit	1
Rated Current	2A
Rated Voltage	50Vdc
Withstanding Voltage	125Vdc
Insulation Resistance(min.)	1,000MΩ
Capacitance	1,000pF +80%/--20%

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## 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.

## References

Packaging	Specifications 	Standard Packing Quantity
K	330mm Embossed Tape	8000
B	Bulk(Bag)	500
L	180mm Embossed Tape	2500

Mass(Typ.)	
1 piece	0.062g

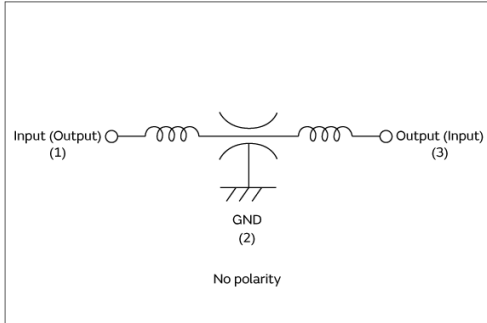
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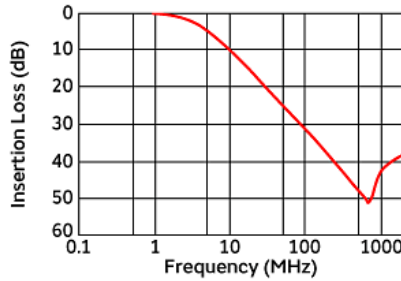
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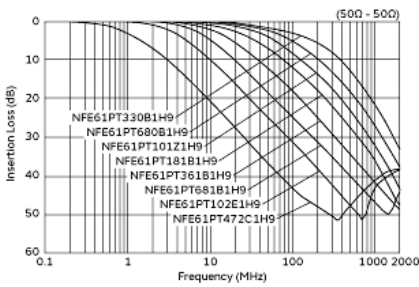
## Product Data



Equivalent Circuit



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)

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