

# NFE31ZT101C1E9#

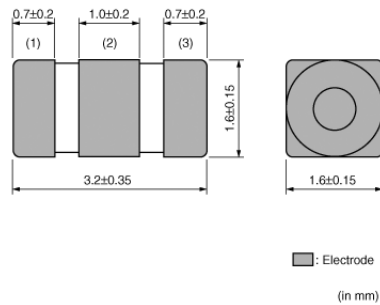
“#” indicates a package specification code.



< List of part numbers with package codes >

NFE31ZT101C1E9L NFE31ZT101C1E9K NFE31ZT101C1E9B

## Appearance & Shape



## Features

The chip "EMIFIL" NFE31ZT 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

Automotive Usage	Infotainment
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## Packaging Information

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

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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	80/-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	100pF		

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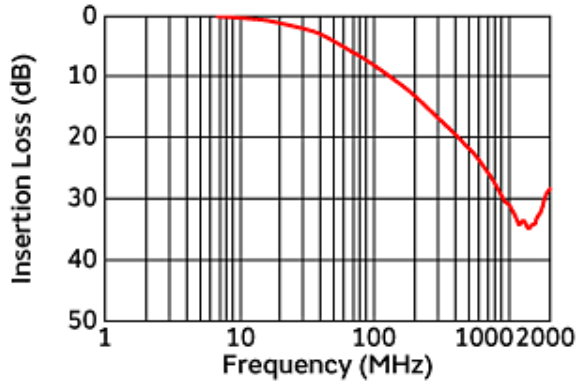
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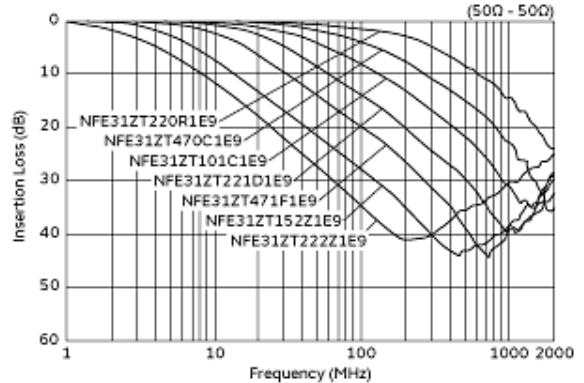
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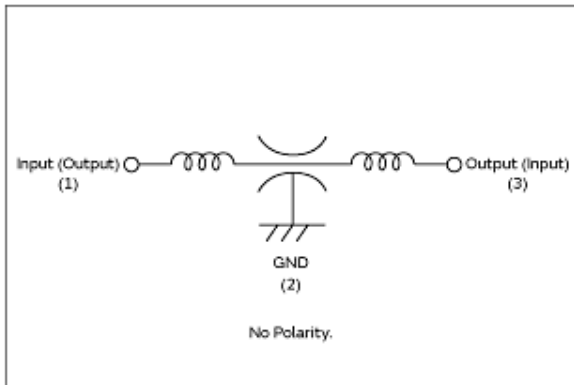
## Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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