

NFE31PT220R1E9#

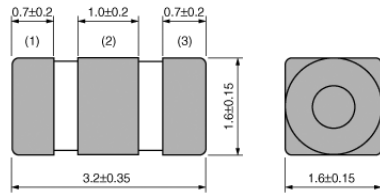
“#” indicates a package specification code.



< List of part numbers with package codes >

NFE31PT220R1E9L NFE31PT220R1E9K NFE31PT220R1E9B

Appearance & Shape



■: Electrode
(in mm)

Packaging Information

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

Applications

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

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.

NFE31PT220R1E9#

“#” indicates a package specification code.

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.

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.

NFE31PT220R1E9#

“#” indicates a package specification code.

Specifications

Shape	SMD
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	22pF
Capacitance Tolerance	±30%

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.

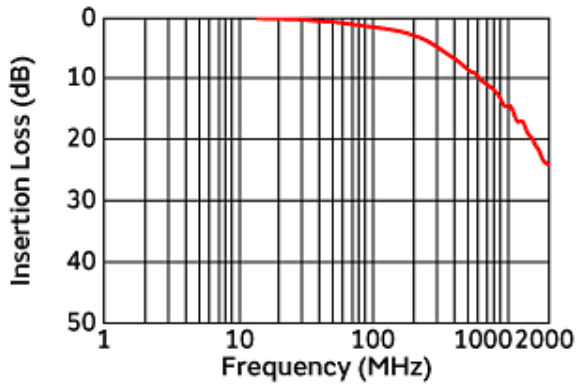
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

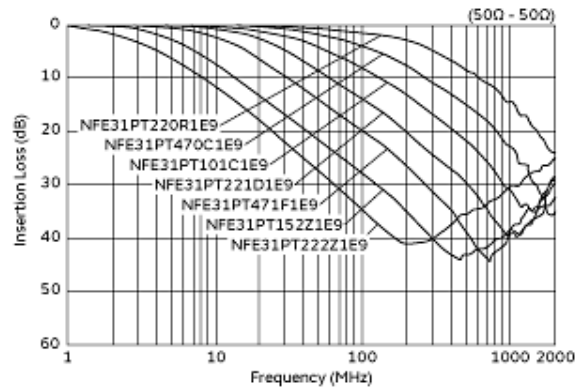
NFE31PT220R1E9#

“#” indicates a package specification code.

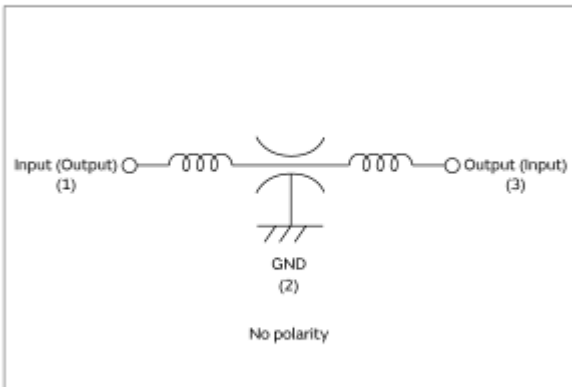
Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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.