

# NFE31PT222Z1E9#

Note: This datasheet may be out of date.

Please download the latest datasheet of NFE31PT222Z1E9# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=NFE31PT222Z1E9%23

"#"at the end indicates the package specification code.







### < List of part numbers with package codes >

NFE31PT222Z1E9B

NFE31PT222Z1E9K

NFE31PT222Z1E9L



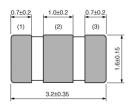
### **Applications**

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



## Appearance & Shape







: Electrode



### Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	500
K	330mm Embossed Tape	8000
L	180mm Embossed Tape	2000



### **Features**

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

#### Features

- 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.

1 of 3

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

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## **Specifications**

Shape	SMD
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
Operating Temperature Range	-40°C to 85°C
Mass(typ.)	0.034g
Number of Circuit	1
Rated Current	6A
Rated Voltage	25Vdc
Withstanding Voltage	62.5Vdc
Insulation Resistance(min.)	1000ΜΩ
Capacitance	2200pF
Capacitance Tolerance	±50%
Size Code (in mm)	3216

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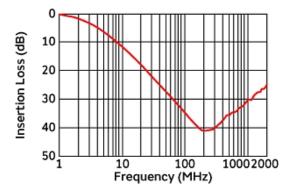
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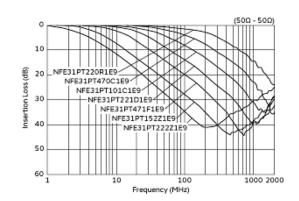
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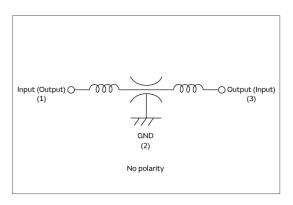






**Insertion Loss Characteristics** 

Insertion Loss Characteristics (Main Items)



**Equivalent Circuit** 

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