

# NFW31SP507X1E4#

● Discontinued

## NFW31SP507X1E4#

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



NFW31SP507X1E4L,NFW31SP507X1E4K

Last Time Order Due	End of Production	Alternative Products
3/31/2023	9/30/2023	

### Applications

Unsuitable Applications	Please be sure to read and comply with these " <a href="#">Precautions for use</a> ".
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

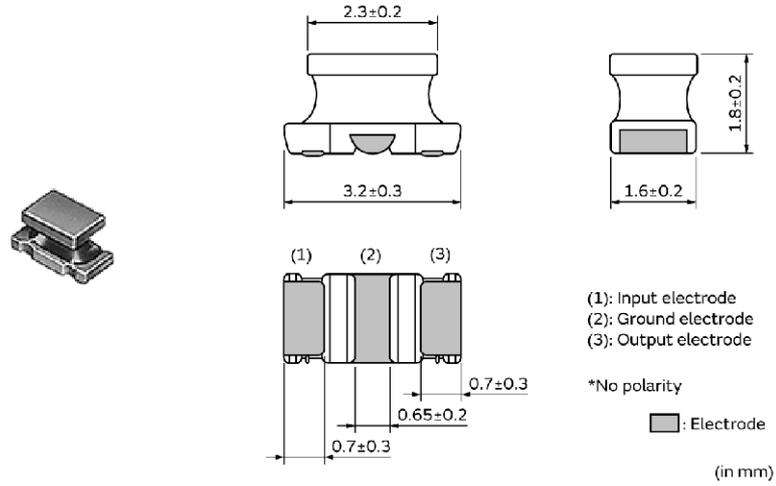
### Attention

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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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\* The "X" in the part number indicates the package specification code.

## Appearance & Shape



Length	3.2mm $\pm 0.3$ mm
Width	1.6mm $\pm 0.2$ mm
Thickness	1.8mm $\pm 0.2$ mm
Size code in mm(inch)	3216/1206
Shape	SMD

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## Specifications

Shape	SMD
Operating Temperature	-40 ~ 85°C
Number of Circuit	1
Rated Current	200mA
Rated Voltage	25Vdc
Insertion Loss	6dB max.(at 500MHz),10dB min.(at 1000MHz)
Nominal Cut-off Frequency	500MHz

## Features

The signal line chip EMI filter NFW31SP series consists of high performance EMI suppression filters. They are designed for noise suppression in high speed signal digital circuits in which the signal harmonics are prone to becoming noise sources. These filters achieve a 100dB/dec. (typ.) damping characteristic with Murata's innovative circuit design. This makes these chips effective in applications where the signal and noise frequencies are close to each other.

### Features

1. Suppresses signal noise with little or no attenuation of the signal itself.
2. Murata's original internal structure design enables excellent noise suppression up to high frequencies (40dB at 1GHz typ.).
3. NFW31SP series is available in 9 different values of cut-off frequency ranging from 10MHz up to 500MHz.

## References

Packaging	Specifications 	Standard Packing Quantity
L	180mm Embossed Tape	2000

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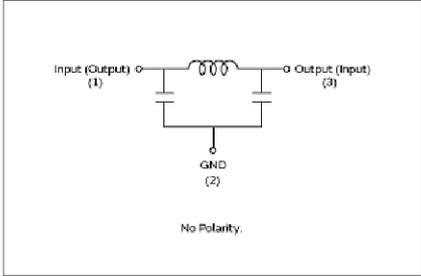
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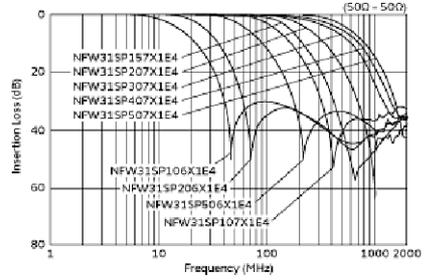
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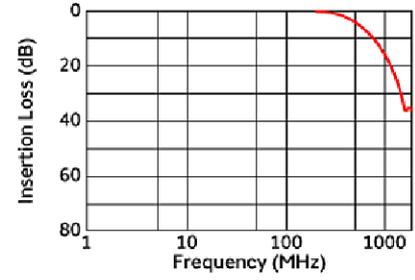
## Product Data



Equivalent Circuit



Insertion Loss Characteristics (Main Items)



Insertion Loss Characteristics

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