

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of NFL21SP106X1C3# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=NFL21SP106X1C3%23

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

Discontinued

RoHS REACH

NFL21SP106X1C3#

## < List of part numbers with package codes > NFL21SP106X1C3B NFL21SP106X1C3D



## Applications

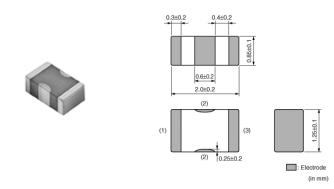
Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Medical	
	equipment [GHTF A/B/C] except for	
	implant & surgery & auto injector,	
	Industrial equipment except for	
	transportation & facility & energy	
	equipment	
Specific	Please refer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



# Packaging Information

Packaging	Specifications	Standard Packing Quantity
В	Bulk(Bag)	1000
D	180mm Paper Tape	4000

# Appearance & Shape



1 of 4

### 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.



Product Search Data Sheet



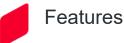
NFL21SP106X1C3#

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of NFL21SP106X1C3# from the official website of Murata

www.murata.com/en/products/productdetail?partno=NFL21SP106X1C3%23

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



The chip "EMIFIL" NFL21SP series is a high performance EMI suppression filter in 2.0x1.25mm size for high speed signal lines by using Murata's processing technology.

Features

- 1. Suppresses noise with little attenuation of the signal itself due to its steep filtering characteristics.
- 2. Murata's original internal structure design enables excellent noise suppression up to high frequencies.
- 3. Available in ten different values of cut-off frequency ranging from 10MHz up to 500MHz.

Applications

Suppression of high magnitude radiated noise generated by high speed digital circuits such as clock and RGB

2 of 4

### 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





NFL21SP106X1C3#

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

Please download the latest datasheet of NFL21SP106X1C3# from the official website of Murata

http://www.murata.com/en/products/productdetail?partno=NFL21SP106X1C3%23

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



# Specifications

Shape	SMD
Size Code (in inch)	0805
Length	2.0mm
Length Tolerance	±0.2mm
Width	1.25mm
Width Tolerance	±0.1mm
Thickness	0.85mm
Thickness Tolerance	±0.1mm
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.009g
Number of Circuit	1
Rated Current	100mA
Rated Voltage	16Vdc
Withstanding Voltage	50Vdc
Insulation Resistance(min.)	1000ΜΩ
Nominal Cut-off Frequency	10MHz
Capacitance	670pF
Capacitance Tolerance	±20%
Inductance	680nH
Inductance Tolerance	±20%
Size Code (in mm)	2012

### 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.



Product Search Data Sheet



NFL21SP106X1C3#

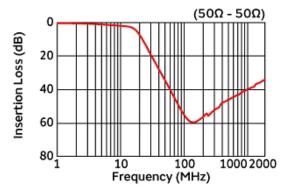
Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.

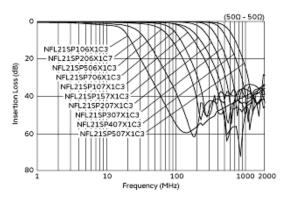
 $\label{eq:Please} Please \ download \ the \ latest \ data sheet \ of \ NFL21SP106X1C3\# \ from \ the \ of \ ficial \ website \ of \ Murata$ 

http://www.murata.com/en/products/productdetail?partno=NFL21SP106X1C3%23

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

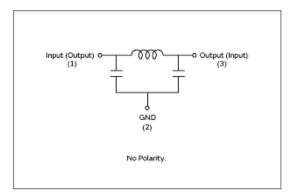






Insertion Loss Characteristics

Insertion Loss Characteristics (Main Items)



**Equivalent Circuit** 

4 of 4

### 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.

