

Note: This datasheet may be out of date.

Please download the latest datasheet of NFL21SP307X1C3# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partpo=NEL21SP307X1C3%2

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







# < List of part numbers with package codes > NFL21SP307X1C3B NFL21SP307X1C3D



### **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	Canalimar aguinment		
Applications	Consumer equipment		



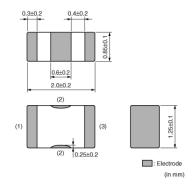
### **Packaging Information**

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



# Appearance & Shape





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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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#### **Features**

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

- 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

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### **Specifications**

Shape	SMD
	OWID
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	300mA
Rated Voltage	16Vdc
Withstanding Voltage	50Vdc
Insulation Resistance(min.)	1000ΜΩ
Nominal Cut-off Frequency	300MHz
Capacitance	19pF
Capacitance Tolerance	±10%
Inductance	45nH
Inductance Tolerance	±10%
Size Code (in mm)	2012

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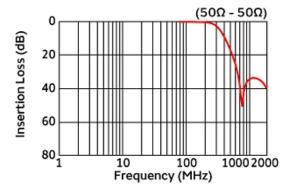
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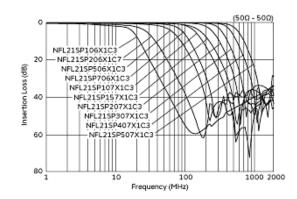
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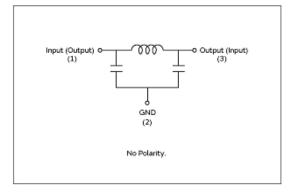






**Insertion Loss Characteristics** 

Insertion Loss Characteristics (Main Items)



**Equivalent Circuit** 

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