

Note: This datasheet may be out of date.

Please download the latest datasheet of NFL21SP507X1C3# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=NFL21SP507X1C3%23

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







< List of part numbers with package codes > NFL21SP507X1C3B NFL21SP507X1C3D



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	0
Applications	Consumer equipment



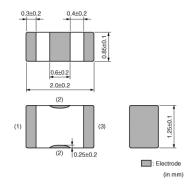
Packaging Information

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



Appearance & Shape





1 of 4

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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

2 of 4

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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	300mA
Rated Voltage	16Vdc
Withstanding Voltage	50Vdc
Insulation Resistance(min.)	1000ΜΩ
Nominal Cut-off Frequency	500MHz
Capacitance	12pF
Capacitance Tolerance	±10%
Inductance	31nH
Inductance Tolerance	±10%
Size Code (in mm)	2012

3 of 4

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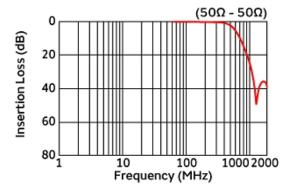
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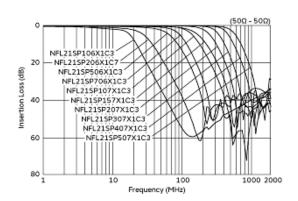
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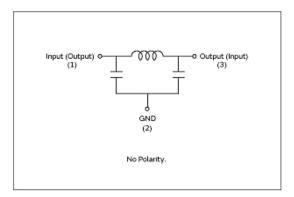






Insertion Loss Characteristics

Insertion Loss Characteristics (Main Items)



Equivalent Circuit

4 of 4

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