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Please download the latest datasheet of NFL21SP106X1C3# from the official website of Murata Manufacturing Co., Ltd.

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

NFL21SP106X1C3#

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

Discontinued RoHS REACH

< List of part numbers with package codes >

NFL21SP106X1C3B NFL21SP106X1C3D

Applications

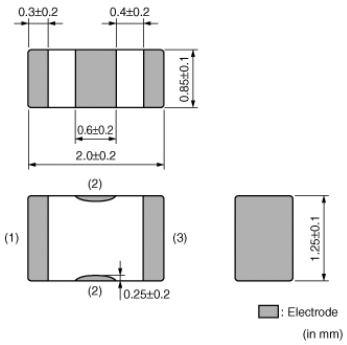
Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to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

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	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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NFL21SP106X1C3#

“#”at the end indicates the package specification code.

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
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

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NFL21SP106X1C3#

"#"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℃ to 125℃
Mass(typ.)	0.009g
Number of Circuit	1
Rated Current	100mA
Rated Voltage	16Vdc
Withstanding Voltage	50Vdc
Insulation Resistance(min.)	1000MΩ
Nominal Cut-off Frequency	10MHz
Capacitance	670pF
Capacitance Tolerance	±20%
Inductance	680nH
Inductance Tolerance	±20%
Size Code (in mm)	2012

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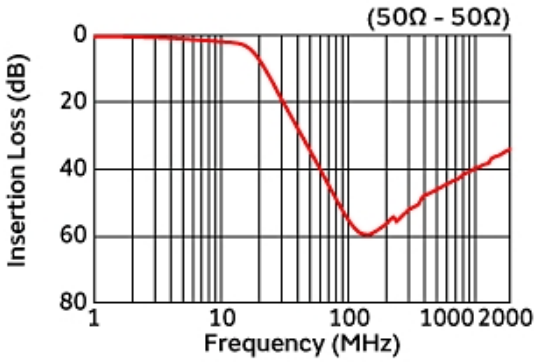
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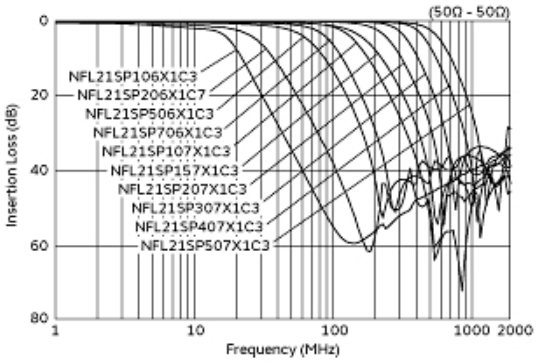
NFL21SP106X1C3#

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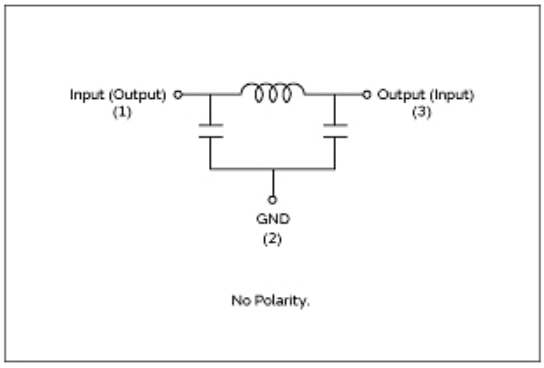
Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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