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Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of NFL21SP407X1C3# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=NFL21SP407X1C3%23

NFL21SP407X1C3#

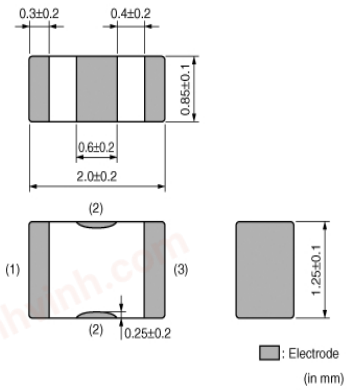
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >
NFL21SP407X1C3D NFL21SP407X1C3B

Appearance & Shape





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

Applications

Other Usage	For general

Packaging Information

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

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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NFL21SP407X1C3#

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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℃ to 125℃
Mass(typ.)	0.009g
Number of Circuit	1
Rated Current	300mA
Rated Voltage	16Vdc
Withstanding Voltage	50Vdc
Insulation Resistance(min.)	1000MΩ
Nominal Cut-off Frequency	400MHz
Capacitance	16pF
Capacitance Tolerance	±10%
Inductance	34nH
Inductance Tolerance	±10%
Size Code (in mm)	2012

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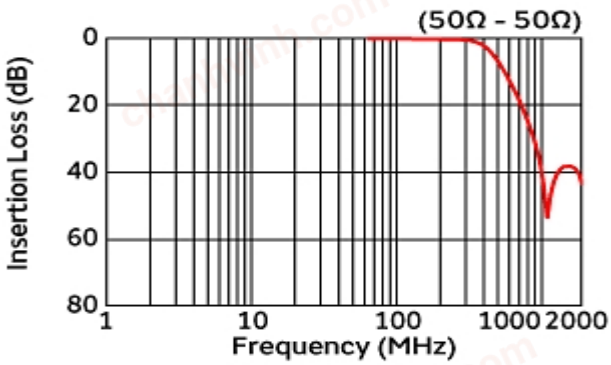
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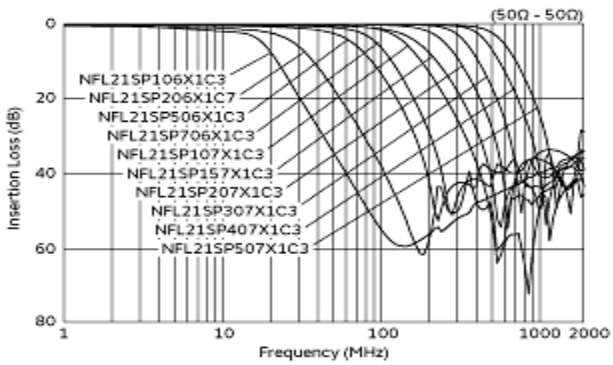
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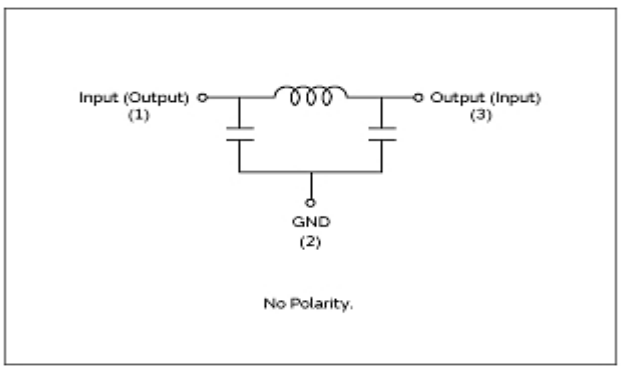
Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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