muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.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?partno=NFL21SP307X1C3%23

NFL21SP307X1C3#

"#" indicates a package specification code.
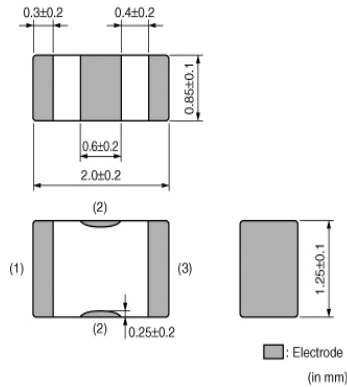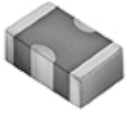
In Production   RoHS   REACH

< List of part numbers with package codes >

NFL21SP307X1C3D   NFL21SP307X1C3B

Appearance & Shape

0.3±0.2   0.4±0.2

0.85±0.1

0.6±0.2

2.0±0.2

(2)

(1)   (3)

1.25±0.1

(2)   0.25±0.2

: Electrode

(in mm)

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

NFL21SP307X1C3#

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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	300MHz
Capacitance	19pF
Capacitance Tolerance	±10%
Inductance	45nH
Inductance Tolerance	±10%
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.
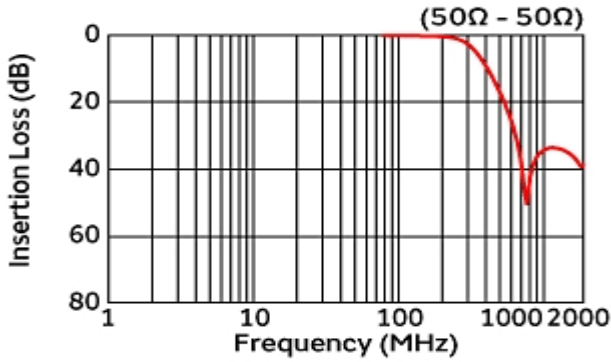
2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.
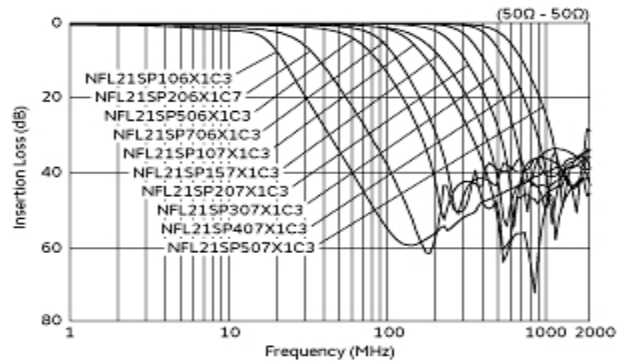
URL : https://www.murata.com/

Last updated01/25/2021

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Product Data

Insertion Loss Characteristics

Insertion Loss Characteristics (Main Items)

Equivalent Circuit

URL : https://www.murata.com/

Last updated 01/25/2021