NFA18SD207X1A45#

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

In Production   RoHS   REACH

< List of part numbers with package codes >
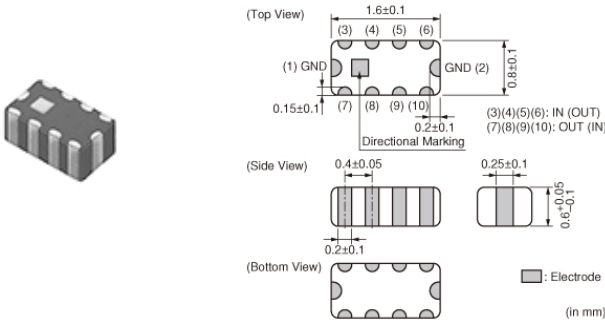
NFA18SD207X1A45B   NFA18SD207X1A45L

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
L	180mm Embossed Tape	4000

Appearance & Shape

(in mm)

Attention

muRata
INNOVATOR IN ELECTRONICS

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

Last updated05/19/2024

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Features

1. NFA18SD series is LC combined noise suppression
   filter whose noise suppression curve is
   very steep and deep in spite of its small shape.
2. This product has additional function as common mode
   choke coil. It works as a common mode choke coil at
   low frequency range, also works as a LC filter at
   high frequency range. This combination results good
   noise suppression effect without the affection to
   differential signal waveform.
3. This product has good noise suppression effect from
   470MHz (for digital TV) to 2GHz. (for mobile phone)
   This function improves the sensibility of digital
   TVs or mobile phones.
4. Four circuits are built in 1.6x0.8mm chip size,
   it saves the large amount of mounting space.

■Aplication
Noise suppression of differential signal
Noise suppression of LCD signal lines,
camera module lines.

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of NFA18SD207X1A45# from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=NFA18SD207X1A45%23

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Specifications

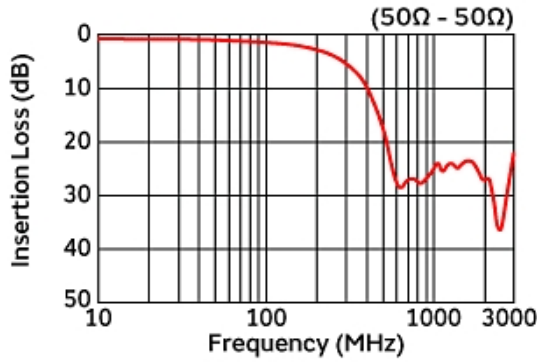|	
Shape	SMD
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.1mm
Width	0.8mm
Width Tolerance	±0.1mm
Thickness	0.6mm
Thickness Tolerance	+0.05/-0.1mm
Operating Temperature Range	-40℃ to 85℃
Mass(typ.)	0.004g
Number of Circuit	4
Rated Current	25mA
Rated Voltage	10Vdc
Withstanding Voltage	30Vdc
Insulation Resistance(min.)	1000MΩ
Insertion Loss	6dB max.(at Cut-off Frequency),13dB min.(at 500MHz),20dB min.(at 900MHz),20dB min.(at 1500MHz),20dB min.(at 2000MHz)
Nominal Cut-off Frequency	200MHz
Size Code (in mm)	1608

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Product Data

Insertion Loss Characteristics

Insertion Loss Characteristics (Main Items)

Equivalent Circuit

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.

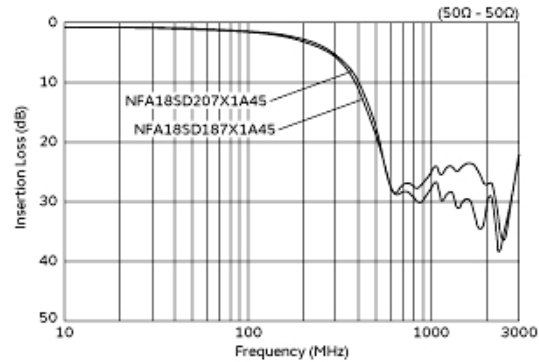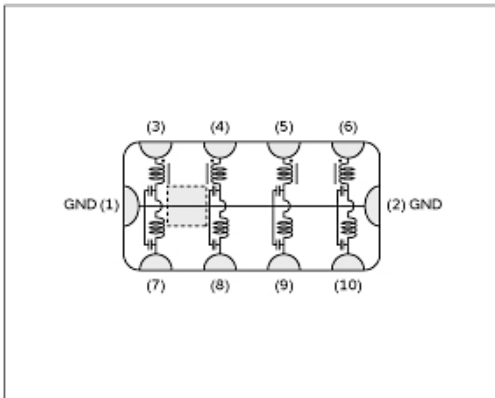Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.