Note: This datasheet may be out of date.
Please download the latest datasheet of NFL18ST506H1A3# from the official website of Murata Manufacturing Co., Ltd.
http://www.murata.com/en-SG/products/productdetail?partno=NFL18ST506H1A3%23

NFL18ST506H1A3#

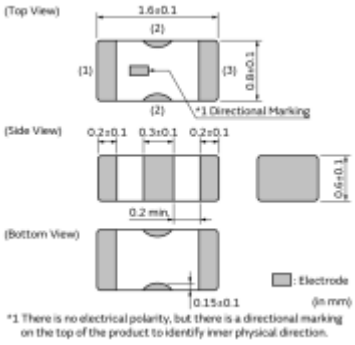
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >
NFL18ST506H1A3D NFL18ST506H1A3B

Appearance & Shape





Packaging Information

Packaging	Specifications	Minimum Order Quantity
D	180mm Paper Tape	4000
B	Bulk(Bag)	1000

Applications

Other Usage	For general

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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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NFL18ST506H1A3#

"#" indicates a package specification code.

Features

Features (NFL18ST_H/NFL18ZT series)
1. This product is compact size EMI suppression filter of 1.6x0.8x0.6mm. It has steep and deep insertion loss characteristics with T-type circuit.
2. This product has large insertion loss in wide frequency range, results to good noise suppression effect.
3. Sharp insertion loss curve enables both high noise suppression effect and low damage to signal waveform.
4. There are 6 line up of cutoff frequency between 50MHz to 500MHz.

Application
EMI suppression of clock lines, video lines.

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Specifications

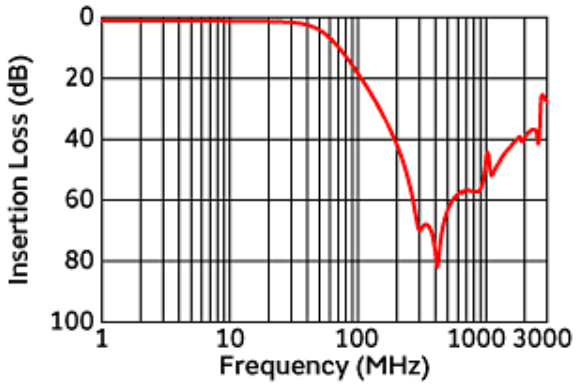
Shape	SMD
Size Code (in mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.1mm
Width	0.8mm
Width Tolerance	±0.1mm
Thickness	0.6mm
Thickness Tolerance	±0.1mm
Rated Current	75mA
Operating Temperature Range	-55°C to 125°C
Mass(typ.)	0.004g
Number of Circuit	1
Rated Voltage	10Vdc
Withstanding Voltage	30Vdc
Insulation Resistance(min.)	1000MΩ
Nominal Cut-off Frequency	50MHz
Capacitance	110pF
Inductance	350nH
Insertion Loss	6dB max.(0 to 50MHz),30dB min.(200 to 1000MHz)

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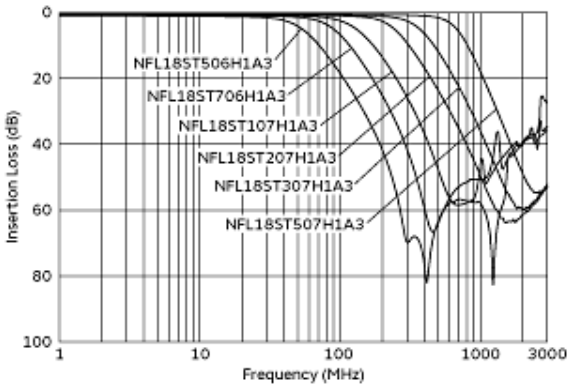
NFL18ST506H1A3#

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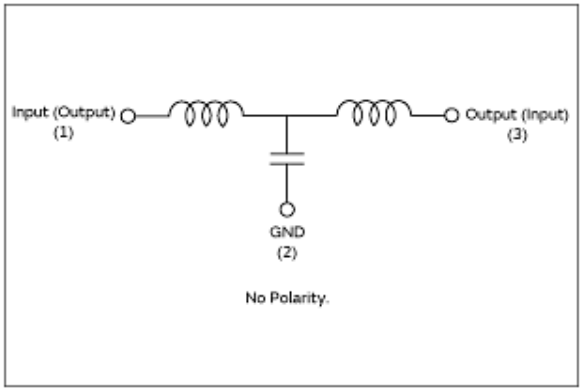
Product Data



Insertion Loss Characteristics



Insertion Loss Characteristics (Main Items)



Equivalent Circuit

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