

Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter



TSX-NFF

Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2700 MHz
- Waterproof IP67 rated
- N-type Female connectors
- DC Block
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Bidirectional

Applications

- Cellular communication systems
- Public safety systems
- Emergency response systems
- Industrial Communications

Description

RF surge protector (also known as lightning arrester) TSX-NFF from PolyPhaser utilizing a patented spiral inductor design enables an almost instantaneous response to a lightning surge to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Description	Surge Protector Type DC Handling		Surge Filter DC Block		Units
	Minimum	Typical	Maximum		
Frequency Range	0.698		2.7		GHz
Impedance		50			Ohms
VSWR			1.1:1		
Insertion Loss			0.1		dB
Input Power, CW			500		Watts
500W @ 920MHz					
750W @ 50°C					
Surge Current			40		kA
IEC 61000-4-5 8/20µs WAVEFORM					
Throughput Energy			5		nJ
FOR 3kA @ 8/20µs WAVEFORM					

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter TSX-NFF](#)

Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter



TSX-NFF

Mechanical Specifications

Size

Length	3.61 in [91.69 mm]
Width/Diameter	1.18 in [29.97 mm]
Weight	0.55 lbs [249.48 g]

Configuration

Input Connector	N Female
Output Connector	N Female

Environmental Specifications

Temperature

Operating Range	-50 to +85 deg C
-----------------	------------------

Ingress Protection (IP) Rating

IP67

Vibration

1G @ 5Hz to 100Hz

Compliance Certifications

RoHS

CE

Plotted and Other Data

Notes:

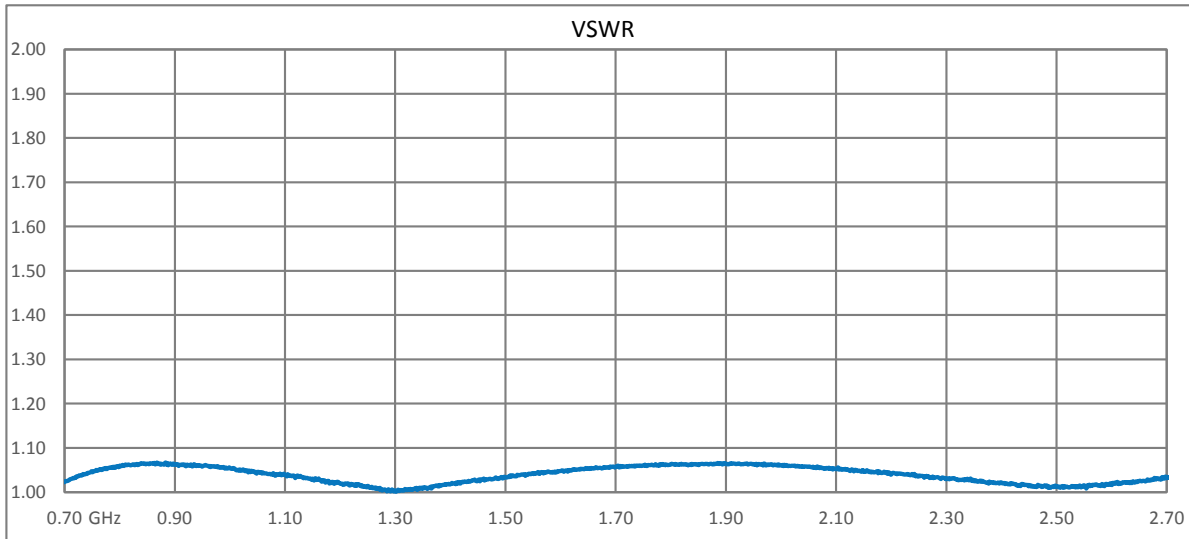
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter TSX-NFF](#)

Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter



TSX-NFF

Typical Performance Data

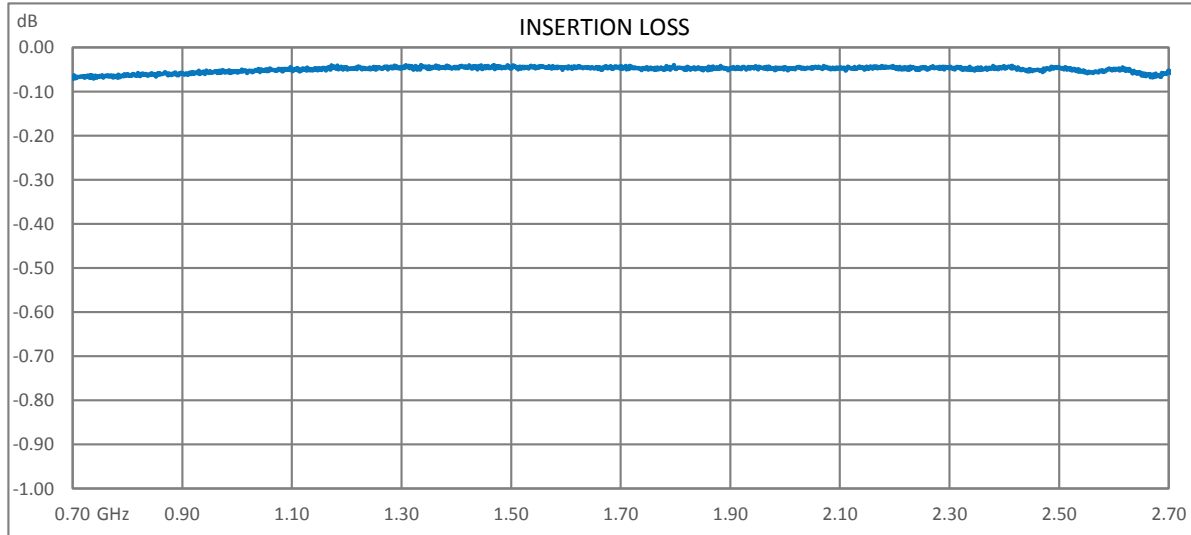


Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter TSX-NFF](#)

Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter



TSX-NFF



PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, 500W, IP67, .005uJ, 40kA, Filter TSX-NFF](https://www.polyphaser.com/type-n-surge-protector-2.7ghz-filter-tsx-nff-p.aspx)

URL: <https://www.polyphaser.com/type-n-surge-protector-2.7ghz-filter-tsx-nff-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume any liability arising out of the use of any part or documentation.

Type N F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz,
DC Block, 500W, IP67, .005uJ, 40kA, Filter

TSX-NFF CAD Drawing

