

Type N F/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, Low PIM, Hazardous Location



TSX-NFM-HL

Features

- · UL and Hazardous Locations Certified
- Frequency range from 698 MHz to 2700 MHz
- DC Block
- Bidirectional
- · Surge current of 40kA

Applications

- · Oil & Gas
- · Industrial Facilities
- Rail

- Max Power 500W
- VSWR <1.1:1
- · Low Insertion Loss
- Low PIM
- · Waterproof IP67 Rated
- Cellular
- Public Safety Systems
- · Emergency Response Systems

Description

RF surge protector (also known as lightning arrester) TSX-NFM-HL 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

Surge Protector Type DC Handling

Surge Filter DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Input Power, CW			500	Watts
Surge Current		20	40	kA
IEC 61000-4-5 8/20µs W	AVEFORM			

Mechanical Specifications

Size

 Length
 3.3 in [83.82 mm]

 Width/Diameter
 1.18 in [29.97 mm]

 Height
 1.18 in [29.97 mm]

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/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, DC Block, Low PIM, Hazardous Location TSX-NFM-HL



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Weight 0.6 lbs [272.16 g] Housing Material and Plating Brass, Tri-metal

Configuration

Input Connector N Female
Output Connector N Male

Environmental Specifications

Temperature

Operating Range -50 to +85 deg C

Ingress Protection (IP) Rating IP67

Compliance Certifications

RoHS Compliant Yes
CE Compliant Yes
UL
UL497E
Hazardous Locations Compliant Yes

Certifications Class 1 Div 2 Groups A, B, C, D T4 -50°C to +85°C

Plotted and Other Data

Notes:

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.

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URL: https://www.polyphaser.com/type-n-surge-protector-2.7ghz-filter-tsx-nfm-hl-p.aspx

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TSX-NFM-HL CAD Drawing

