

7/16 F/M Bulkhead Coaxial RF Surge Protector, 698MHz - 2.16GHz,
DC Block, 500W, IP67, .005uJ, 40kA, Filter, Low PIM



TSX-DFM-P2-BF

Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2160 MHz
- Waterproof IP67 rated
- 7/16 DIN Female to 7/16 DIN Male 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-DFM-P2-BF 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		2.16	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Passive Intermodulation			-163	dBc
Input Power, CW			500	Watts
500W @ 920MHz				
750W @ 50°C				
Input Power, Peak			27	kWatts
Surge Current		20	40	kA
IEC 61000-4-5 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:
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Throughput Energy 5 nJ
FOR 3kA@ 8/20µs WAVEFORM

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.698 to 1	1 to 1.86	1.86 to 2.16			GHz
Return Loss, Max	30	26	30			dB

Mechanical Specifications

Size

Length 3.27 in [83.06 mm]
Width/Diameter 1.45 in [36.83 mm]
Weight 1.15 lbs [521.63 g]

Configuration

Input Connector 7/16 DIN Female
Output Connector 7/16 DIN Male

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:

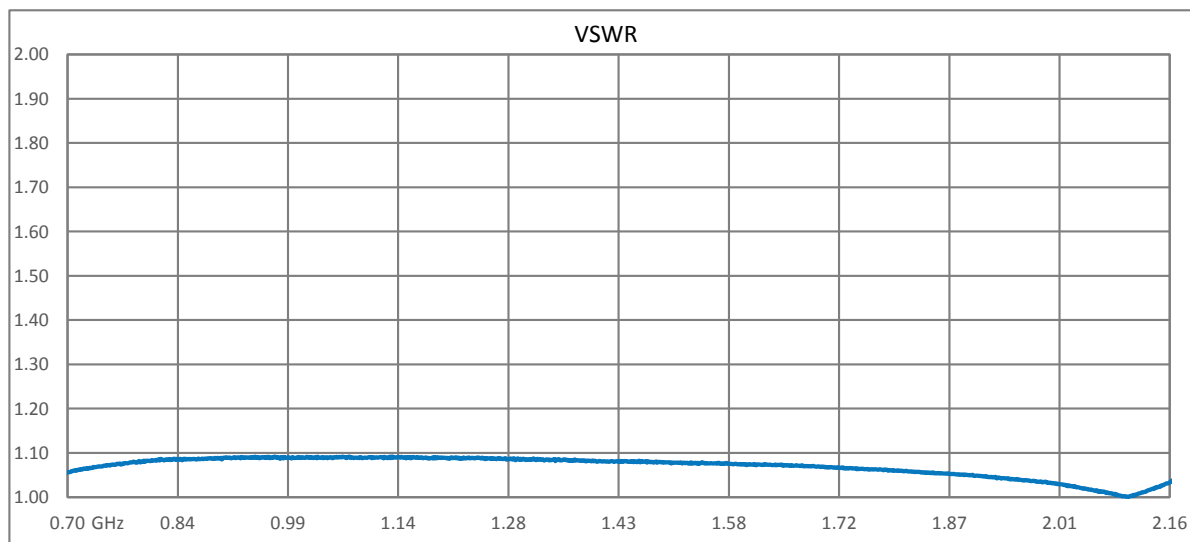
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Typical Performance Data

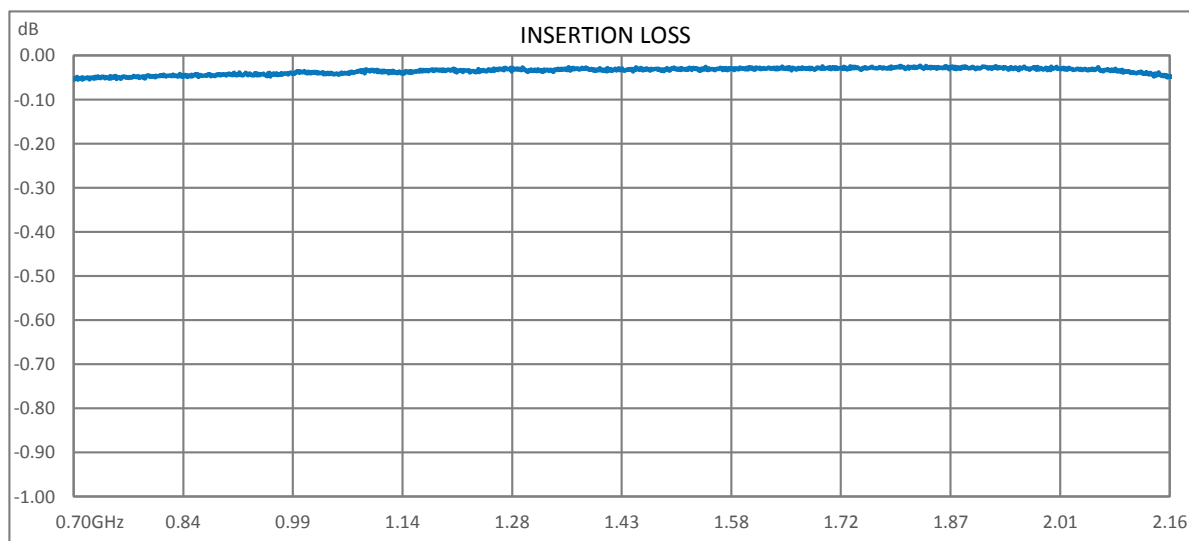


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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