PolyPhaser

7/16 F/F Bulkhead Coaxial RF Surge Protector, 300MHz - 1.2GHz, DC Block, 2.5kW, IP67, .005uJ, 40kA, Filter, Low PIM -155 dBc

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TUSX-DFF

Features

- · Surge current of 40kA
- Max Power 2.5kW
- Frequency range from 300 MHz to 1.2 GHz
- Waterproof IP67 rated
- 7/16 DIN-type Female connectors

Applications

- · Cellular communication systems
- · Public safety systems

- DC Block
- VSWR <1.1:1
- · Low insertion loss
- · CE & RoHS compliant
- Bidirectional
- Emergency response systems
- · Industrial Communications

Description

RF surge protector (also known as lightning arrester) TUSX-DFF 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 | 0.3 | | 1.2 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.1:1 | |
| Insertion Loss | | | 0.1 | dB |
| Passive Intermodulation | | | -155 | dBc |
| Input Power, CW | | | 2.5 | kWatts |
| Surge Current | | | 40 | kA |
| IEC 61000-4-5 8/20µs wave | form | | | |
| 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: 7/16 F/F Bulkhead Coaxial RF Surge Protector, 300MHz - 1.2GHz, DC Block, 2.5kW, IP67, .005uJ, 40kA, Filter, Low PIM -155 dBc TUSX-DFF

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TUSX-DFF

Mechanical Specifications

Size

 Length
 3.42 in [86.87 mm]

 Width/Diameter
 1.73 in [43.94 mm]

 Weight
 1 lbs [453.59 g]

Housing Material and Plating Brass

Configuration

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

Environmental Specifications

Temperature

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

Ingress Protection (IP) Rating IP67

Vibration 1G at 5Hz to 100Hz

Compliance Certifications (see product page for current document)

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/7-16-din-surge-protector-1.2ghz-filter-tusx-dff

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TUSX-DFF CAD Drawing

