

TNC F/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 300W, IP67, 15 V Max., 500uJ, 20kA, Hybrid, Bracket Down, Hole Mount



## DGXZ+15TTF-A

### Features

- Surge current of 20kA
- Max Power 300W
- Frequency range from 800 MHz to 2.5GHz
- TNC-type Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

### Applications

- GPS systems
- Active antenna systems
- Cellular communications systems

### Description

RF surge protector (also known as lightning arrester) DGXZ+15TTF-A from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD) and a MOV and gas tube, enables a quick 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

Hybrid  
DC Pass

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		2.5	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Insertion Loss			0.1	dB
Operating Voltage (DC)			15	Volts
Input Power, CW			300	Watts
Surge Current IEC 61000-4-5 8/20µs Waveform			20	kA
Turn On Voltage		16.5		Volts
Throughput Energy FOR 3kA @ 8/20µs WAVEFORM			500	uJ

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[TNC F/F Coaxial RF Surge Protector, 800MHz - 2.5GHz, 300W, IP67, 15 V Max., 500uJ, 20kA, Hybrid, Bracket Down, Hole Mount DGXZ+15TTF-A](#)

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### Mechanical Specifications

#### Size

Length	2.72 in [69.09 mm]
Width/Diameter	1.4 in [35.56 mm]
Height	2.82 in [71.63 mm]
Weight	0.6 lbs [272.16 g]

#### Configuration

Input Connector	TNC Female
Output Connector	TNC Female

### Environmental Specifications

#### Temperature

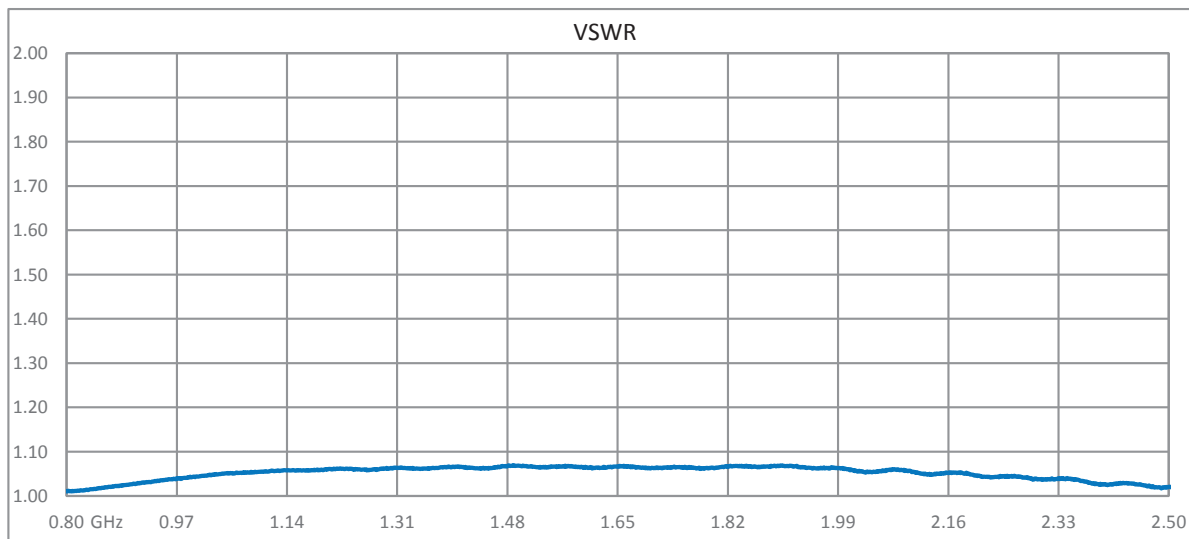
Operating Range	-50 to 85 deg C
Ingress Protection (IP) Rating	IP67
Humidity	95%

### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:

### Typical Performance Data



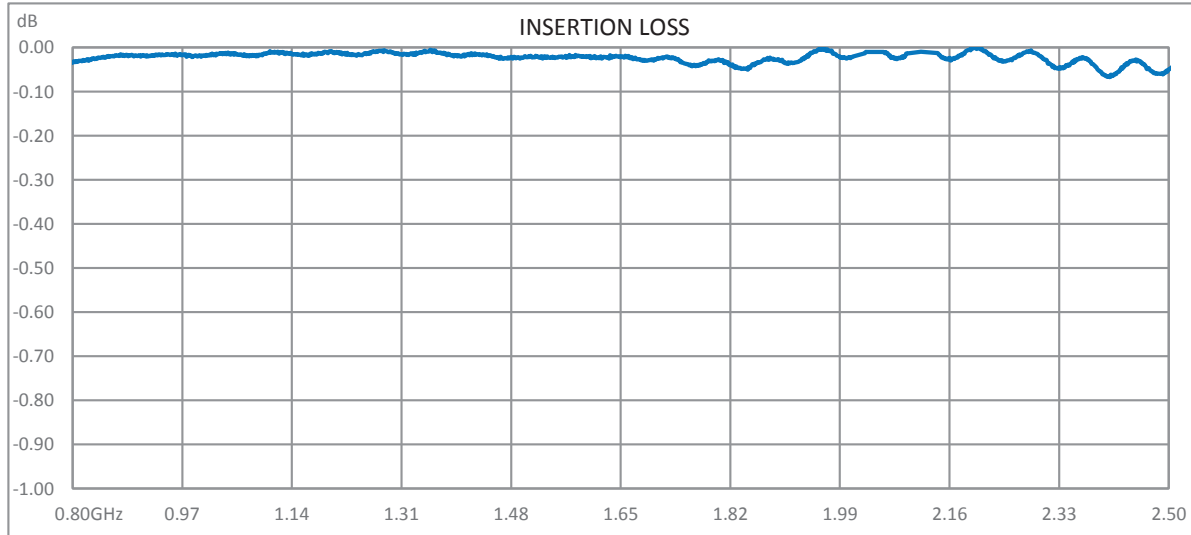
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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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URL: <https://www.polyphaser.com/tnc-surge-protector-2.5ghz-hybrid-dgxz-15tftf-a>

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.

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DGXZ+15TFTF-A CAD Drawing

