![PolyPhaser an INFINITE brand]

TNC M/F Bulkhead Coaxial RF Surge Protector, 700MHz - 2.5GHz, DC Block, 500W, IP67, .5uJ, 18kA, Filter

DSXL-T-MA

Features

- Surge current of 18kA
- Max Power 500W
- Frequency range from 700 MHz to 2.5 GHz
- Waterproof IP67 rated
- TNC Male to TNC Female connectors

- DC Block
- VSWR <1.25:1
- Low insertion loss
- CE & RoHS compliant
- Directional

Applications

- Cellular communication systems
- Public safety systems

- Emergency response systems
- Industrial

Description

RF surge protector (also known as lightning arrester or surge arrestor) DSXL-T-MA 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   Surge Filter
DC Handling   DC Block

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.7		2.5	GHz
Impedance		50		Ohms
VSWR		1.1:1	1.25:1	
Insertion Loss			0.1	dB
Input Power, CW			500	Watts
Surge Current IEC 61000-4-5 8/20µs waveform			18	kA
Throughput Energy for 3kA, 8/20µs waveform			500	nJ

Mechanical Specifications

Width/Diameter   1.11 in [28.19 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
TNC M/F Bulkhead Coaxial RF Surge Protector, 700MHz - 2.5GHz, DC Block, 500W, IP67, .5uJ, 18kA, Filter DSXL-T-MA

+1 800 882 9110 | PolyPhaser.com

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Height	2.79 in [70.87 mm]
Weight	0.4 lbs [181.44 g]

Configuration

Input Connector	TNC Male
Output Connector	TNC Female

Environmental Specifications

Temperature

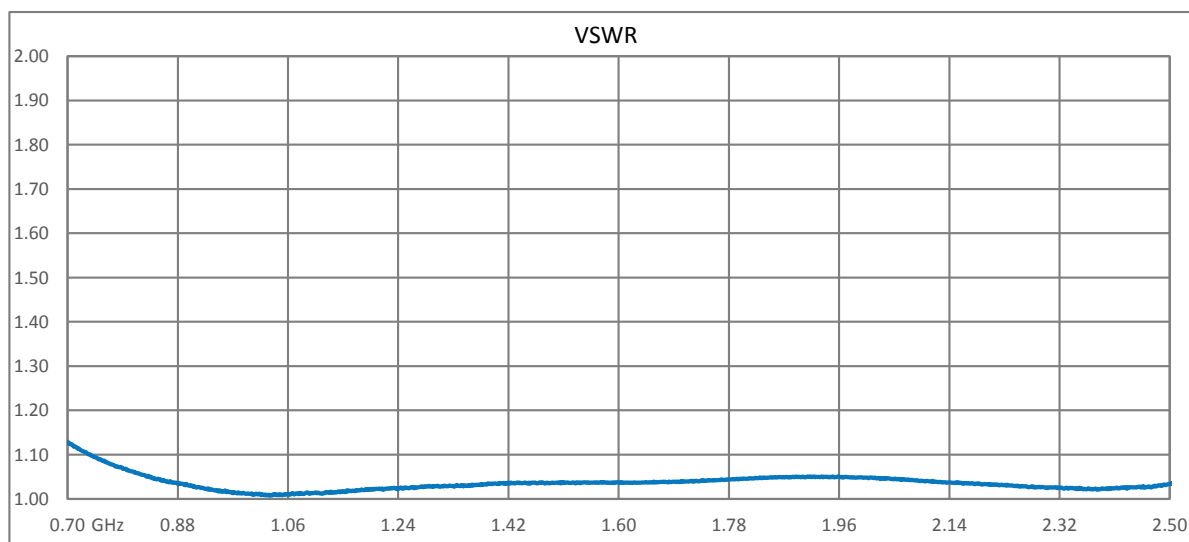|	
Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP67
Vibration	1G at 5Hz to 100Hz

Compliance Certifications
CE

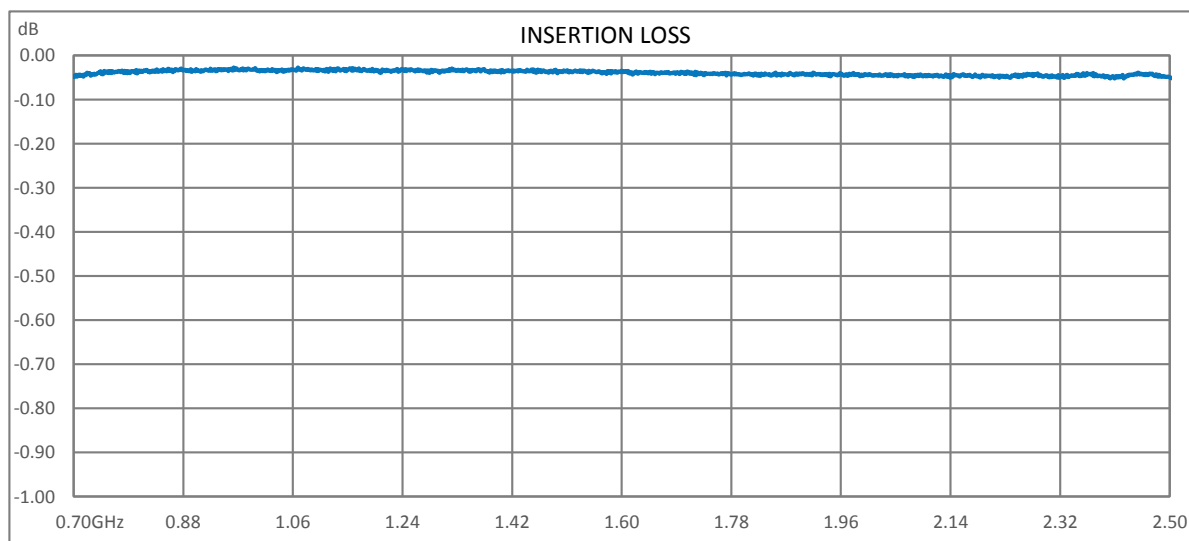## Plotted and Other Data
Notes:

Typical Performance Data

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INSERTION LOSS graph with y-axis labeled "dB" ranging from 0.00 to -1.00 in increments of 0.10, and x-axis ranging from 0.70GHz to 2.50 (0.70GHz, 0.88, 1.06, 1.24, 1.42, 1.60, 1.78, 1.96, 2.14, 2.32, 2.50).

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-filter-dsxl-t-ma-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.

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DSXL-T-MA CAD Drawing

Ø 1.12 [28.3]

.53 [13.5]

7/16-28 UNEF-2A

5/8-24 UNEF-2A

.92 [23.4]

2.79 [70.8]

.49 [12.4]

1.20 [30.5]

SURGE
DSXL-T-MA
PolyPhaser
U.S. PATENT 6,061,223
6,118,227 6,236,861
Mmm, YY
PROTECTED

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SHEET	1	of	1

SCALE 1:1

REV A

800-2.3GHz PCS FILT

DRAWING NUMBER DSXL-T-MA

PROD CAT RFP

CAGE 30992

SIZE A

TITLE

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
FRACTIONS=± 1/32   .XX=± .03
ANGLES=± 1°   .XXX=± .010

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THIRD-ANGLE PROJECTION

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