

HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz
- 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM



HT-RO-TSX-DCDFF

Electrical Specifications

Surge Protector Type DC Handling		Surge Filter and Gas Tube DC Pass		
Description	Minimum	Typical	Maximum	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
Return Loss			20	dB
Insertion Loss			0.1	dB
Passive Intermodulation 2 X 20W Input		-125	-155	dBc
Operating Voltage (DC)			100	Volts
Operating Current (DC)			10	A
Resistance (DC)			0.02	mOhms
Input Power, CW @ 920 MHz			1	kWatts
Surge Current 8/20µs		2	20	kA
Throughput Energy			25	mJ

Mechanical Specifications

Size

Length	3.5 in [88.9 mm]
Width/Diameter	1.73 in [43.94 mm]
Height	1.94 in [49.28 mm]
Weight	1.5 lbs [680.39 g]
Housing Material and Plating	Brass

Configuration

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM HT-RO-TSX-DCDFF](#)

HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz
- 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM



HT-RO-TSX-DCDFF

Environmental Specifications

Temperature

Operating Range

-50 to +85 deg C

Ingress Protection (IP) Rating

IP67

Humidity

95% Non-condensing

Compliance Certifications

RoHS Compliant

Yes

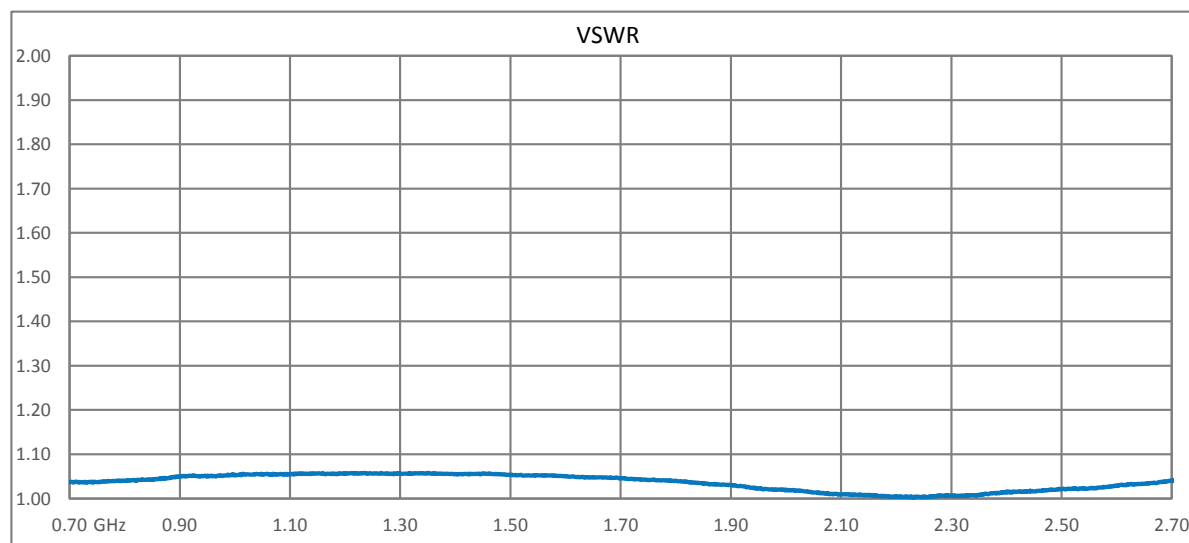
CE Compliant

1

Plotted and Other Data

Notes:

Typical Performance Data

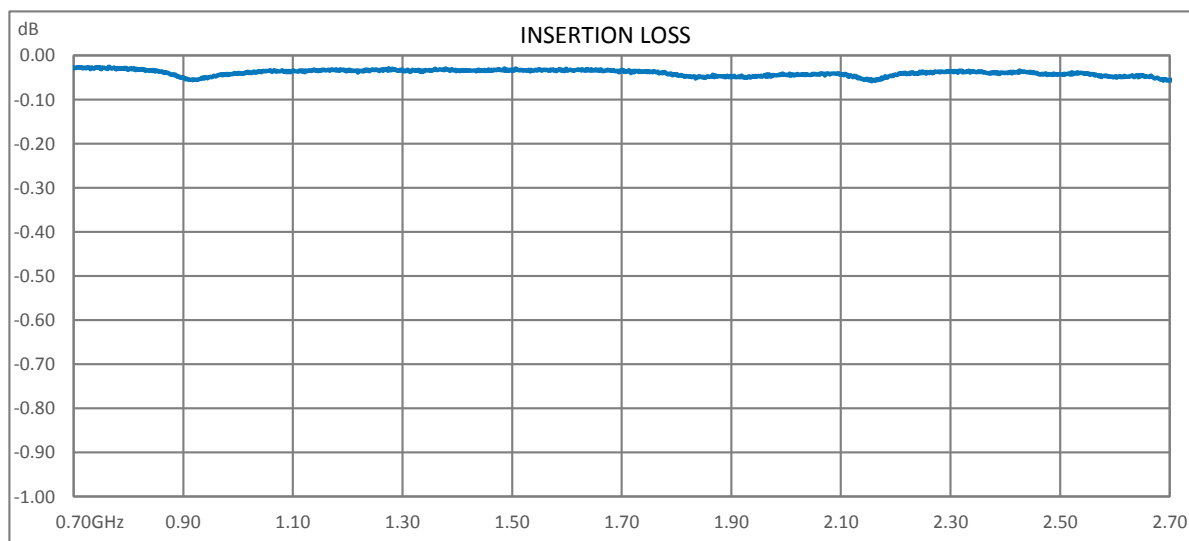


Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM HT-RO-TSX-DCDFF](#)

HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz
- 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM



HT-RO-TSX-DCDFF



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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM HT-RO-TSX-DCDFF](https://www.polyphaser.com/7-16-surge-protector-2.7ghz-surge-filter-gas-tube-ht-ro-tsx-dcdf-p.aspx)

URL: <https://www.polyphaser.com/7-16-surge-protector-2.7ghz-surge-filter-gas-tube-ht-ro-tsx-dcdf-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.

HEMP Tested 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM

HT-RO-TSX-DCDFF CAD Drawing

