

7/16 M/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz,
1.5kW, IP67, 33 V Max., 100uJ, 30kA, Hybrid, Low PIM -155 dBc



DAS-JP-DMFS30

Features

- Surge current 30kA
- Max Power 1500W
- Frequency Range from 698MHz to 1000MHz and 1700MHz to 2700MHz
- 7/16 DIN Male connector surge side, 7/16 DIN Female connector protected side
- SMA Female connection for AISG
- Waterproof IP67 rated
- VSWR Max 1.7:1
- Insertion Loss Max 0.1dB

Applications

- Cellular communication systems
- Public safety systems
- Emergency response systems
- Industrial

Description

RF surge protector (also known as lightning arrester or surge arrestor) DAS-JP-DMFS30 from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD), a Metal Oxide Varistor (MOV) and a gas tube (GT or GDT). 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	0.698		2.7	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Return Loss			22	dB
Insertion Loss		0.1		dB
Passive Intermodulation			-155	dBc
Operating Voltage (DC)			33	Volts
Operating Current (DC)			4	A
Resistance (DC)			200	mOhms
Input Power, CW			1.5	kWatts
Surge Current IEC 61000-4-5 8/20μs waveform			30	kA
Turn On Voltage		35 ±6%		Volts

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 Voltage IEC 61000-4-5 8/20µs waveform to DC port	50	Volts
Throughput Energy	100	uJ

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.698 to 1	1.7 to 2.7				GHz
VSWR, Max	1.2:1	1.2:1				
Return Loss, Max	22	22				dB
Insertion Loss, Max	0.1	0.1				dB

Mechanical Specifications

Size

Length	3.86 in [98.04 mm]
Width/Diameter	3.47 in [88.14 mm]
Height	1.9 in [48.26 mm]
Weight	1 lbs [453.59 g]
Housing Material and Plating	Brass

Configuration

Input Connector	7/16 DIN Male
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
Humidity	95%

Compliance Certifications

CE

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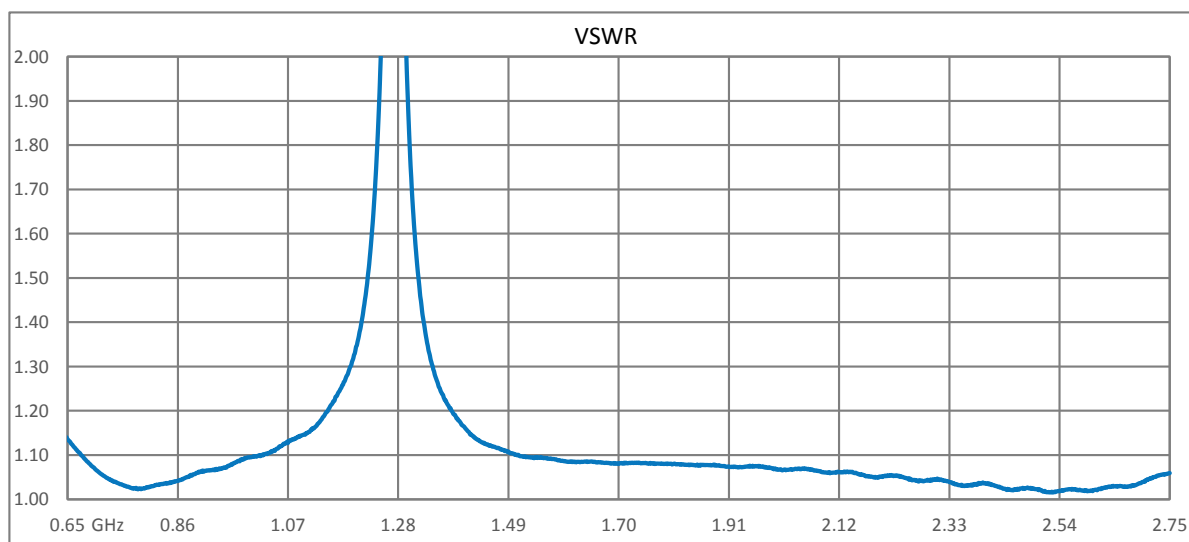


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Plotted and Other Data

Notes:

Typical Performance Data

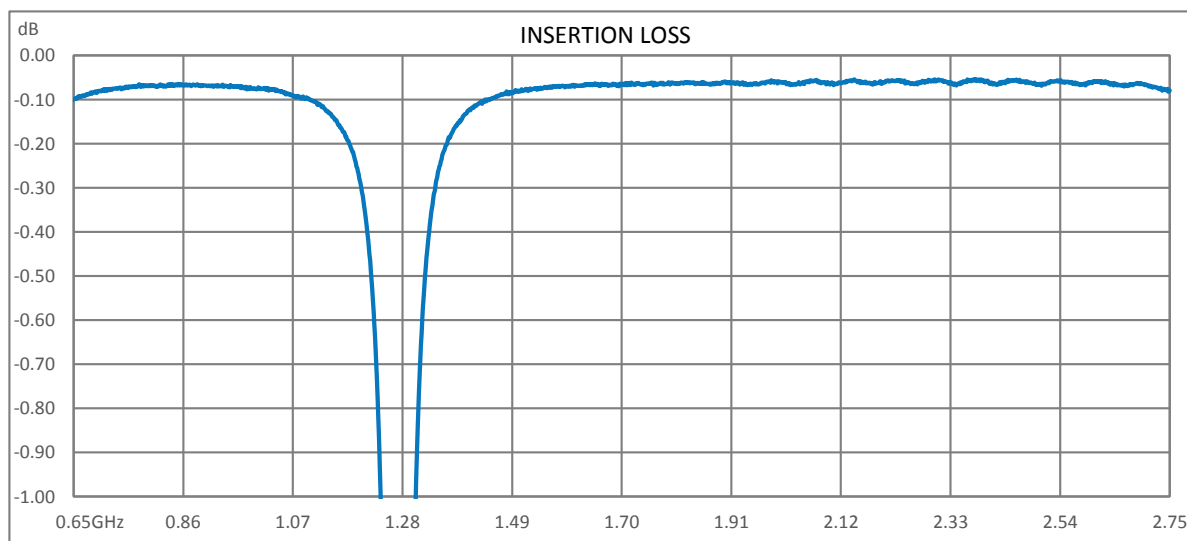


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PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, 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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DAS-JP-DMFS30 CAD Drawing

