



7/16 F/M In/Out Bulkhead Coax RF Surge Protector,
698MHz - 2.16GHz, DC Block, 500W, IP67,
40kA, Filter, BiDirect, Low PIM -163 dBc

RF Surge Protectors Technical Data Sheet

PE73SP1008

Features

- Surge current of 40kA
- Max Power 500W
- Frequency range from 698 MHz to 2.16 GHz
- Waterproof IP67 rated
- 7/16 DIN female connector to 7/16 DIN male connector
- DC Block
- Low PIM
- VSWR <1.1:1
- Low insertion loss
- CE & RoHS compliant
- Bi-Directional

Applications

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

Description

RF surge protector (also known as lightning arrester) PE73SP1008 from Pasternack 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 Pasternack 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	0.698		2.16	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Return Loss			26	dB
Insertion Loss			0.1	dB
Passive Intermodulation			-163	dBc
Input Power, CW 500W @ 920MHz 750W @ 50°C			500	Watts
Surge Current IEC 61000-4-5 8/20µs WAVEFORM			40	kA
Throughput Energy FOR 3kA@ 8/20µs WAVEFORM			10	nJ

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/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.16GHz, DC Block, 500W, IP67, 40kA, Filter, BiDirect, Low PIM -163 dBc PE73SP1008](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.698 to 0.698	0.698 to 1	1 to 1.8	1.8 to 2.16		GHz
Return Loss, Max	30	26	30			dB

Mechanical Specifications

Configuration

Input Connector

7/16 DIN Female

Output Connector

7/16 DIN Male

Environmental Specifications

Temperature

Operating Range

-50 to +85 deg C

Ingress Protection (IP) Rating

IP 67

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

Plotted and Other Data

Notes:

7/16 F/M In/Out Bulkhead Coax RF Surge Protector, 698MHz - 2.16GHz, DC Block, 500W, IP67, 40kA, Filter, BiDirect, Low PIM -163 dBc from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: <https://www.pasternack.com/7-16-din-surge-protector-2.7ghz-filter-pe73sp1008-p.aspx>

