



Gas Discharge Surge Protectors

DC to 3000 MHz Operation

Features

- Ultra Fast Gas Discharge
- Multiple Strike 6KA Discharge
- 0.4db Max Insertion Loss



Applications

- Lightning Protection for Antenna Systems
- 900MHz to 2.4GHz Antenna Systems

Description

The Surge Protectors offered by Pacific Wireless are an integral part of any antenna installation to protect sensitive equipment from surges caused by lightning. The ultra fast gas discharge tube design gives quick response to power surges and dumps the excess power safely to ground. A ground lug terminal is supplied to provide for superior grounding. The units have the ability to withstand multiple lightning strikes. The SP3-90-6 passes DC voltage so it is also suitable for those systems which pass DC power through the coax such as remote amplifiers.

Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	DC		3000	MHz
<i>Insertion Loss</i>	.1	.2	.4	dB
<i>VSWR</i>		1.2:1		
<i>DC Breakdown Voltage:</i>	72	90	108	V
<i>Impulse Discharge (5 times, 8/20usec)</i>	6000			A
<i>Impedance</i>		50		OHM
<i>Insulation Resistance (DC 100V)</i>	50			Meg Ohm
<i>Input Power (@2.4GHz)</i>			42	W
<i>Operating Temperature</i>	-40		+85	Deg C
<i>Weight</i>		5.8 (164)		oz (g)
<i>Dimensions (incl connectors)</i>	2.75" x 1.25" x 1.75" (70 x 32 x 44)			Inch (mm)

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All surge protectors carry a 1 Year Warranty

System Ordering:

SP3-90-6-BFF
SP3-90-6-BFM

DC to 3000MHz, 6KA, Bulkhead N Female to N Female, 90V Surge Protector
DC to 3000MHz, 6KA, Bulkhead N Female to N Male, 90V Surge Protector

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