



# Pacific Wireless

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Draper, UT 84020  
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## SP6

## DATA SHEET

# Coaxial Surge Protectors DC to 6GHz Operation

### Features

- Ultra Fast Discharge < 1KV / usec
- 0.2dB @ 2.4GHz, .4dB @ 5GHz Max Insertion Loss
- VSWR better than 1.4:1
- Rugged, Lightweight and Waterproof
- Bulkhead Mount N Female connector



### Applications

- Surge Protection for Antenna Systems
- 900MHz, 2.4GHz @ 5GHz Wlan Systems

### Description

The SP6 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 discharge design gives quick response to power surges and dumps the excess power safely to ground. Grounding is accomplished via a ground lug terminal or the N Bulkhead connector. The units have the ability to withstand multiple lightning strikes. The SP6 passes DC voltage so it is suitable for those systems which pass DC power through the coax such as remote amplifiers. Construction is all plated brass to resist corrosion.

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	100	2400	6000	MHz
<i>Insertion Loss</i>	.1	.2	.4	dB
<i>VSWR</i>	1.1 : 1	1.2 : 1	1.4 : 1	
<i>DC Breakdown Voltage:</i>		230		V
<i>Impulse Breakdown Voltage</i> <i>(1KV/uS MAX)</i>		700		V
<i>Impulse Wave Discharge</i> <i>(5 times)</i>			10000	A
<i>Impedance</i>		50		OHM
<i>Insulation Resistance (100V)</i>	50			Meg Ohm
<i>Input Power</i>	250	42	10	W
<i>Operating Temperature</i>	-40		+85	Deg C
<i>Weight</i>		4.5 (130)		oz (g)
<i>Dimensions (incl connectors)</i>		2.4" x 1.2" x 0.9" (60 x 31 x 23)		Inch (mm)

### Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- 1 Year Warranty

### System Ordering:

**SP6-230-BFF** DC to 6GHz, Bulkhead N Female to N Female, 230V Surge Protector

**SP6-230-BFM** DC to 6GHz, Bulkhead N Female to N Male, 230V Surge Protector

### For further information contact:



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