



Pacific Wireless

693 E Draper Heights Way Suite 210
Draper, UT 84020
TEL (801) 572-3024
FAX (801) 572-3025
www.pacwireless.com

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:



Pacific Wireless

693 E Draper Heights Way Suite 210
Draper, UT 84020
TEL (801) 572-3024
FAX (801) 572-3025
www.pacwireless.com