



global solutions :
local support™

Coaxial Surge Protectors DC to 6GHz Operation

The SP6 surge protectors offered by Laird Technologies 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 also suitable for those systems which pass DC power through the coax such as remote amplifiers. Construction is all plated brass to resist corrosion.

Features and Benefits:

- Ultra fast gas 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

- Lightning protection for antenna systems
- 900MHz, 2.4GHz @ 5GHz Wlan systems

Specifications

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

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

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty



Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.

Specifications subject to change without notice.