SP6

Coaxial Surge Protectors

COAXIAL SURGE PROTECTORS

DC to 6 GHz Operation

SP6 surge protectors are an integral part of any antenna installation involving the protection of 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 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

- Ultra fast gas discharge < 1KV / usec
- 0.2 dB @ 2.4 GHz, 0.4 dB @ 5 GHz max insertion loss
- VSWR better than 1.4:1
- Rugged, lightweight and IPx7 waterproof
- Bulkhead mount N female connector

APPLICATIONS

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

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 (1 KV/uS MAX)		700		V
Impulse Wave Discharge (5 times)		10000		A
Impedance		50		OHM
Insulation Resistance (100 V)	50			
Imput Power			100	W
Operating Temperature	-40		+85	°C
Weight		4.5 (130)		oz (g)
Dimensions (incl connectors)		2.7 x 1.2 x 0.9 (68 x 31 x 23)		in. (mm)
Ingress Protection		IPx7		

SYSTEM ORDERING

SP6-230-BFF DC to 6 GHz, bulkhead N female to N female, 230 V surge protector

SP6-230-BFM DC to 6 GHz, bulkhead N female to N male, 230 V surge protector

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