SP3-90-6

Gas Discharge Surge Protectors

GAS DISCHARGE SURGE PROTECTORS

DC to 3000 MHz Operation

The surge protectors offered by TE Connectivity are an integral part of any antenna installation in protecting 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 the ground. A ground lug terminal is supplied to provide 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 systems that pass DC power through the coax, such as remote amplifiers.

FEATURES

- Ultra fast gas discharge
- Multiple strike 6 KA discharge
- 0.4 db max insertion loss

APPLICATIONS

- Lightning protection for antenna systems
- 900 MHz to 2.4 GHz antenna systems
- WiMAX

PARAMETER	MIN	TYP	MAX	UNITS
Frequency Range	DC		3000	MHz
Insertion Loss	.1	.2	.4	dB
VSWR		1.2 : 1		
DC Breakdown Voltage	72	90	108	V
Impulse Discharge (5 times, 8/20 µsec)	6000			A
Impedance		50		Ohm
Insulation Resistance (DC 100 V)	50			Meg Ohm
Input Power (@2.4 GHz)			42	W
Operating Temperature	-40		+85	C
Weight		5.8 (164)		oz (g)
Dimensions (includes connectors)		2.75 x 1.25 x 1.75 (70 x 32 x 44)		in (mm)

SYSTEM ORDERING

SP3-90-6-BFF DC to 3000 MHz, 6 KA, bulkhead N female to N female, 90 V surge protector
SP3-90-6-BFM DC to 3000 MHz, 6 KA, bulkhead N female to N male, 90 V surge protector

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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