COAXIAL SURGE PROTECTORS

Smart Technology. Delivered.



COAXIAL SURGE PROTECTORS

DC to 6 GHz Operation

The SP6 surge protectors offered by Laird 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, .4 dB @ 5 GHz max insertion loss
- VSWR better than 1.4:1
- Rugged, lightweight and waterproof
- Bulkhead mount N female connector

APPLICATIONS

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

PARAMETER	MIN	ТҮР	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 time	es) 10000			А
Impedance		50		ОНМ
Insulation Resistance (100 V)	50			Meg Ohm
Imput Power			100	W
Operating Temperature	-40		+85	°C
Weight		4.5 (130)		oz (g)
Dimensions (incl connectors)	2.4 x 1.2 x 0.9 (60 x 31 x 23)			in (mm)

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

NOTES

•All shipments F.O.B. Schaumburg, IL 60173

Americas: +1.847 839.6907

IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941 IAS-EUSales@lairdtech.com Asia: +86.21.5855.0827.127 IAS-AsiaSales@lairdtech.com

ANT-DS-SP6_0115

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird line. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird line. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Laird Connectivity:

SP6-230-BFM SP6-230-BFF