

# Signal Surge Protector

## ANTENNA LIGHTNING PROTECTION

### Product Description



This product apply to the lightning surge protection of antenna system: such as satellite antenna, microwave, cable TV lines, etc.

- ◆ Large rated discharge current and fast response time.
- ◆ Over-current, over voltage and clamp triple protection design.
- ◆ Adopt standard connectors, with advantage of small size, light weight, easy installation and simple maintenance.
- ◆ Matching impedance, interface form and frequency can be chosen arbitrary.
- ◆ It is used for the lightning protection of the sending and receiving system, such as wireless access system, mobile communications, cable TV and transformer station electronic equipment.

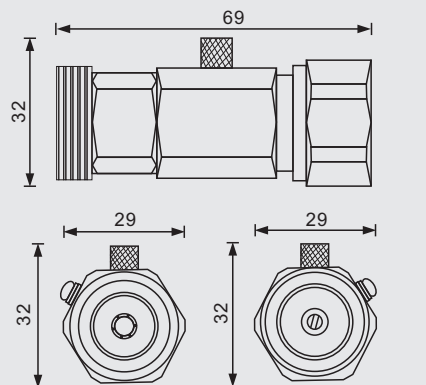
### Technology Parameters

Model	KLF-X-DIN
Working Voltage	90V
Nominal Discharge Current(8/20 $\mu$ s) (In)	5KA
Max. Discharge Current (8/20 $\mu$ s) (Imax.)	10KA
Voltage Protection Level( Up)	$\leq$ 600V
Response Time	$\leq$ 20ns
Frequency range	0~3GHz
Insertion Loss	<0.2dB
Standing-wave ratio	$\leq$ 1.2
Using spectrum maximum power	250W/300MHz ; 160W/500MHz ; 100W/900MHz ; 75W/1.2GHz ; 52W/1.9GHz ; 42W/2.4GHz ; 36W/3GHz
Matching impedance	50 $\Omega$
Interface Model	DIN (7/16, L29)
Working Environment	Temperature -40 $^{\circ}$ C~+80 $^{\circ}$ C;Relative humidity<95%
Dimension(L $\times$ W $\times$ H)	69 $\times$ 29 $\times$ 32mm
Weight	0.22kg

### Product Installation

1. The SPD is in series installed between antenna channel and the device protected, the output terminal is connected with the device protected.
2. The ground wire of SPD should be reliability connected with the ground wire of lightning protection system.
3. Grounding of lightning protection should comply with the lightning protection standard; grounding wire should be as thick and short as possible, ground resistance should be less than 4 $\Omega$ .
4. When system deteriorate, you should check the SPD after departing, if SPD destroyed, you should replace it.

### Dimension Picture



Unit: mm

### Installation Diagram

