

# Data/Signal Surge Protection

## Power Over Ethernet Protection



ALPU POE 06V  
1101-873

### Features

- Compact design
- 100% frame transmission
- Easy installation/RJ-45 connectors
- Fast acting, low clamping silicon avalanche suppressor diodes
- Available in cases of 25
- 1/4-20 ground stud
- One (1) year warranty

### Options

- Available in metal enclosures
- Pole mount kit  
(Part Number 1000-1164)

### Installation

This product is intended for use only on circuits with operating voltages not to exceed 90VDC and operating currents not to exceed 1A.

Mount the device as close to the equipment to be protected as possible using the provided hardware. Mount the unit in the orientation shown, with the strain reliefs facing the ground. The unit is configured with an internal 1/4-20 ground stud. Attach appropriate wire gauge and type as short as possible (less than 3 foot) between this stud and the site grounding point. Refer to local codes and equipment manufacturers standards first.

### ALPU POE Series

Compact outdoor Cat5, RJ-45, power over Ethernet protector, supports point to point and point to multi point radios

#### Electrical

	ALPU POE 06V 1101-873	ALPU POE 60V 1101-897	ALPU POE 90V 1101-898
Data Rate	100Mb/s		
Operating Voltage	5V on pins (1, 2), (3, 6) and 48VDC on pins (4,5), (7,8)	48VDC All pairs	
Max. Continuous Operating Voltage	6V on pins (1, 2), (3, 6) and 60VDC on pins (4,5), (7,8)	60VDC All pairs	90VDC All pairs
Max. Continuous Current	1A		
Isolation/Cross Talk	<-60dB @ 32 MHz		
Impedance	85 to 115ohms		
Attenuation	<-1dB @ 16MHz		
Connector	RJ-45 Cat5		
Pins Protected	All pins protected		
Peak Surge Current 10/1000µs	100A		
Data Voltage Protection Level 10/1000µs	<25Vpk @ 100A (1,2), (3,6)	-	
Response Time	<5 nanoseconds		

#### Environmental

Enclosure Rating	UL94V-0
Operating Temperature	-40°C to +80°C
Humidity	99% non condensing

#### Mechanical

Dimensions (HxWxD in inches)	6.7 x 5.0 x 1.7
Dimensions (HxWxD in cm)	17.0 x 12.6 x 4.3
Maximum Weight (lbs.)	0.5
Maximum Weight (kg.)	0.2

