



Video Surge Protection Device (SPD) for 1-, 4-, 16-channel BNC coaxial lines is designed, fabricated and tested according to the IEC61644 standard and Q/DK04-1999 industrial standards.

The product help prevent damages to sensitive electronic equipment due to differences in ground potential, power surges and area lightning strikes. It can be easily installed on video surveillance systems and all equipment with matrix and optical BNC interfaces without any losses of signal quality.

- ✓ Video line surge protection against transient voltage induced by lightnings, industrial noises, etc.
- ✓ Core components are selected based on high reliability, multi-level protection and depressed residual.
- ✓ Low capacitance design, excellent transmission performance, fast response time and long life expectancy.
- ✓ Suitable for a single or multi-channel BNC coaxial line system such as video matrix switcher, camera, video surveillance equipment, video distributor and so on.

## Technical Specifications

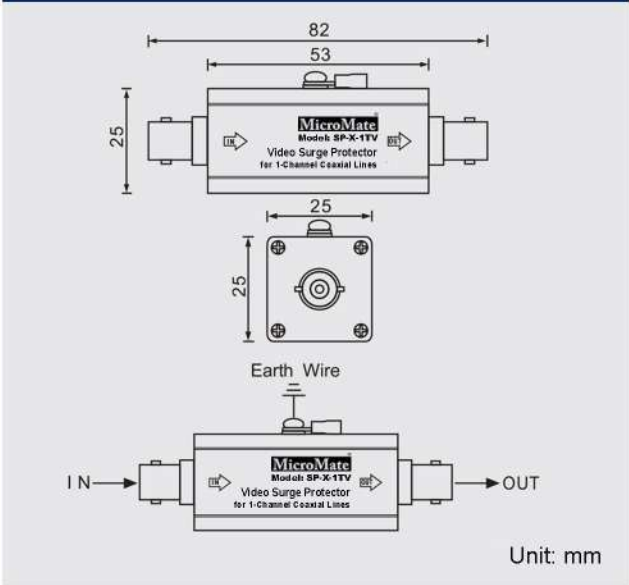
MODEL	SP-X-1TV	SP-X-4TV	SP-X-16TV
Operating Voltage (Un)	5V		
Max. Continuous Operating Voltage (Uc)	8V		
Nominal Discharge Current (8/20μs) (In)	5KA		
Max. Discharge Current (8/20μs) (Imax.)	10KA		
Transmission rate (bit/s)	10M		
Insertion Loss (dB)	≤0.2dB		
Limit voltage (V)	Core - Shell	≤15V	
	Shell - Ground	≤100V	
Response Time	≤1 ns		
Input and Output Impedance	75Ω		
Interface Model	BNC-75Ω		
Protected Core	Coaxial type		
Quantity of Protected Ports	1	4	16
Working Environment	Temperature -25°C +70°C; Relative Humidity < 95%;		
Dimensions (W x D x H) mm	82 × 25 × 25	105 × 90 × 40	485 × 160 × 60
Weight (KG)	0.05	0.32	2.2

Note: Due to the policy of continued product improvement, specifications are subject to change without notice.

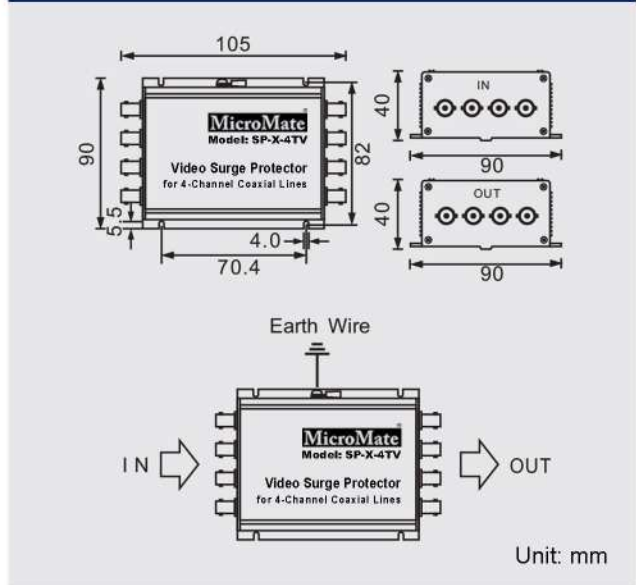
## Product Installation

1. The unit is installed between the coaxial video cable and the protected equipment, the output termination is connected with the protected equipment.
2. Make sure no loose or short-circuited connections.
3. Grounding resistance should meet the minimum requirement of  $4\Omega$  or less. The grounding line should be straight and as short as possible with thickness  $BVR \geq 2.5\text{mm}^2$ .

### Dimensions and Installation Diagram



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