

CP Series

CCTV video line surge protector

LPS



The Surge Protective Device for Data and Communication Line is proudly made in Malaysia and engineered with state-of-the-art Australian technology. It is the result of exhaustive research and development to suit the Malaysian environment which is the world's most lightning prone regions.

CP series is Coaxial Protector with BNC Male/Female connector for 75 ohm circuit. CP-CCTV is ideal for video signal of CCTV cameras, Digital Video Recorder. The CP series SPD will protect sensitive data networks against lightning induced surges without impairing the system normal operation or cause excessive in-line resistance.

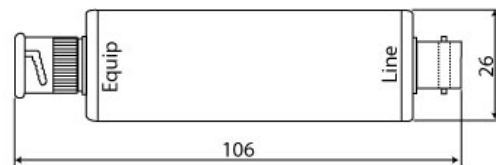
It is designed with high surge capacity to suit lightning prone regions and when connecting equipment are located more than 30 meters away, in adjacent buildings or outdoors.

The CP series employs multistage protection with GDT for primary protection then linked by second stage series impedance and finally TVS and MOV to provide unsurpassed performance in lightning surge protection. The impedance of the unit is carefully adjusted by a network to match 75 ohm circuit impedance to avoid impedance mismatch reflection.

Technical Data

Dimension

Technical Specification	CP-CCTV
Signal Type	1V P-P Std. Video Signal
Nominal Operating Signal Voltage	± 1V
Max. Operating Signal Voltage	± 2V
Standard Clamp Voltage @ 1mA	±2.3V (Centre Conductor - Screen) 82V (Screen - Ground)
Left-through Voltage (Line-Ground)@IEEE C 62.36 - 1194 (CCITT) / ITU-k.20 Enhanced 6kV, 150A, 10/700µs	3V (Centre Conductor - Screen) 130V (Screen - Ground)
Max. Surge Current 8/20 µs	Centre Conductor - Ground 10kA, Screen - Ground 11kA
-3db Band width @ 75 ohm circuit	From DC to 140MHz
Insertion Loss @ 75 ohm circuit	<0.5db
Max. Signal Current (Centre Conductor - Screen)	350mA
Loop Resistance	4 ohm
Impedance	75 ohm
Response Time	<1ns
Operation & Storage Temperature	-40°C to +70°C



© COPYRIGHT January 2010. This documentation served as a reference only. It is subject to change without further notice. All the diagrams and information in this documentation may not be duplicated or modified in any form without the written approval from the management.