



# Technical Specification

## CX-06M



The CX-06M Surge Protective Device (SPD) is a single Coax SPD implementing three-stage hybrid technology. The SPD addresses overvoltage transients with a primary gas discharge tube (GDT), and secondary silicon avalanche diode (SAD) components. Over-current protection, e.g. sneak, and fault currents, are mitigated with new solid-state resettable fuses—PTCs. The CX-06M SPD is designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20 kA of surge current capability.

Operating Voltage	5
Clamping Voltage	6
Frequency Range	0 to 20 MHz
Equipment Location	IEEE Category C, and Category B
Rated Load Current	0.35 amperes
SPD Topology	2-port Series
SPD Technology	Primary Stage Gas Discharge Tube (GDT), and Secondary Stage Silicon Avalanche Diode (SAD), w/ Series PTC
Modes of Protection	Signal to Ground
Nominal Discharge Current per Mode	10.0 kA
Maximum Discharge Current per Mode	20.0 kA
EMI Attenuation	< 0.1 dB at 20 MHz
VSWR	< 1.2
Continuous Power	0.72 Watts
Operating Humidity	0-95 % Non-condensing
Operating Temperature	-40 C to +85 C
Storage Temperature	-40 C to +85 C
Input Connection Type	BNC, 50 Ohm
Output Connection Type	BNC, 50 Ohm
Mounting	Flange
Enclosure Type	Metal
Certifications	UL 497B Pending, NFPA 780 (2004) Compliant for Communication Protectors
Warranty	5 Year

### Special Features

- Sneak/Fault Current Protection**
- Low Insertion Loss**
- Shielded Case**