



Technical Specification

CX06-M & CX06-MI



The CX06-M & CX06-MI Surge Protective Devices (SPDs) are single Coax SPDs implementing three-stage hybrid technology. The SPDs address 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 solid-state resettable fuses—PTCs. The CX06-M & CX06-MI SPDs are designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20kA of surge current capability. The CX06-MI model has an isolated ground and is recommended for use at the camera end.

Operating Voltage	5V
Clamping Voltage	6V
Frequency Range	0 to 20MHz
Operating Current	0.15A
SPD Topology	2-port Series
SPD Technology	GDT, SAD, w/ Series PTC
Modes of Protection	Signal to Ground
Peak Surge Current	20kA
Insertion Loss	< 0.1 dB at 20 MHz
VSWR	< 1.2
Operating Humidity	0-95 % Non-condensing
Operating Temperature	-40 C to +85 C
Input Connection Type	BNC, 50/75 Ohm
Output Connection Type	BNC, 50/75 Ohm
Mounting	Flange
Enclosure Type	Metal
Dimensions	M = 1.5H x 1W x 3.25L MI = 1.5H x 1W x 4L
Weight	M = 2.3 oz MI = 3 oz
Certifications	UL 497B, ISO 9001:2000.
Warranty	5 Year

Special Features

- Sneak/Fault Current Protection
- Low Insertion Loss
- Shielded Case
- CX06-MI has an Isolated Ground