

RJ Connections with Modular Design For Scalable Telephone Line Configurations
Available for 7 different operating voltages 5V, 12V, 24V, 48V, 70V, 90V & 130V

Multi Stage - Hybrid Technology - SAD's, MOV's & PTC's



Commonly used on:

Fire Alarm, Burglar Alarm, and Telephone Systems.

Typical applications:

Fire Alarm or Burglar Alarm RJ31X dialers and building entrance telephone lines.

The first and only Transient Voltage Surge Suppressor (TVSS) ever designed that is truly scalable. Ideal for moves, adds, and changes in system layout. Maintains system integrity and protects against transients introduced into wiring serving sensitive electronics. Reduces downtime associated with power surges and lightning strikes. Prevents the interruption of Recurring Monthly Revenue (RMR) based systems. Eliminates nuisance and non-billable service calls.

- Fully scalable
- Connection methods: RJ31X, RJ11, RJ14, RJ45
- UL 497A
- Available application voltages: 5, 12, 24, 48, 70, 90, 130
- Single point grounding
- Self restoring
- Lifetime warranty

RJ Series (MDP) - Solid State, Multi-Stage, Hybrid Technology with Sneak Current Protection.

Product Specifications

Specifications – Operating:

Service Voltages:	5V or 12V or 24V or 48V or 70V or 90V or 130V (Example part #: RJ31120-MDP)
Circuits Protected:	RJ31X - 2wire, RJ11 - 2 wire, RJ14 - 4 wire, RJ45 - 8 wire
Installation Configuration:	Series
Ground Type:	Lug

Specifications – Performance:

Maximum Surge Current:	4KA(5V), 4KA(12V), 4KA(24V), 18KA(48V), 18KA(70V), 18KA(90V), 18KA(130V)
Energy Dissipation, Joules:	28(5V), 32(12V), 40(24V), 80(48V), 132(70V), 160(90V), 212(130V)
Capacitance @1KHZ: (pF)	11,133(5V), 9,133(12V), 7,433(24V), 3,633(48V), 2,033(70V), 1,733(90V), 1,333(130V)
Clamping Response Time:	<1 Pico Second
Current Limiting:	Yes
Maximum Continuous Current:	150 mA
Maximum Operating Voltage (MCOV):	5.0(5V), 13.3(12V), 26.7(24V), 53.0(48V), 77.8(70V), 100(90V), 133(130V)
Clamping Voltage:	6.8 (5V), 15.3(12V), 36.2(24V), 60.5(48V), 80.2(70V), 126(90V), 149(130V)

Specifications – Compliance:

UL Listed:	UL 497A
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Specifications – Physical:

Weight:	2.08 Oz
Height:	1.6 inches
Length:	3.1 inches
Width:	.92 inches
Operation Temperature:	-40+85 C
Maximum Humidity:	85%
Plastic Rating:	V-5