

Communication Line Protection

Powervar's Next Generation NJ-2 Communication Line Protector (CLP) offers a leading-edge technology which provides a patented "Transient Blocking" and switch grade fail short device combination. The NJ-2 Series protects circuits by rapidly switching to a blocked state. This technology balanced with over voltage, fast resettable sneak current protection and low surge let through provides the best level of protection for high speed communications lines and equipment.

Applications: Use with standard analog or digital telephone sets or lines, POTS, Trunks, ADSL and T-1.



Characteristics

Impulse (Limiting Voltage) performance: Impulse Input @ 10/1000 uS, 1.5 kV, 100A LetThrough Voltage – Line to Earth (typical / max.) 50-Ohm Load LetThrough Voltage – Line to Line (typical / max.) 50-Ohm Load	60 V / 100 V 60 V / 100 V
DC Breakdown (Limiting) Voltage Range: 100 V/S @ 1mA Line to Earth Line to Line	280 – 420 650 V
Module Loop Resistance @ 25°C (Each Leg) in Ω	11 Ω min, 13 Ω max
Maximum Operating / Holding Current	225 mA
Trip Current	> 260 mA
Response Time	< 100 nS
Insulation Resistance @ 50 VDC	> 100 MΩ
Response Time	< 100 nS
Overcurrent Protection Non-resetting (Time Delay Fuse)	~ 1.25 A
Operating Temperature	-40°C to 65°C
Classification	Secondary UL, cUL

Models available to fit standard RJ type connectors as follows:

Part Number	# of 2-wire Protection Circuits	RJ (Reference Jack) USOC number	Circuit Pairs Protected	Notes
NJ-27-14-2	2	RJ 14 (6 position Jack)	3,4; 2,5	Also RJ 11 compatible
NJ-27-48C-2	2	RJ48C (6 position Jack)	1,2; 4,5	