

SURGEX®

THE WORLD LEADER IN POWER CONDITIONING TECHNOLOGIES



SX1115

SURGE ELIMINATOR & POWER CONDITIONER

- *Advanced Series Mode*® Surge Protection
- *Impedance Tolerant*® EMI/RFI Filtering

The SurgeX SX1115 provides guaranteed surge protection and power conditioning for audio, video, broadcast and computer equipment. The units are 15-amp load-capable and have 8 industrial grade grounded AC receptacles (6 switched; 2 always on) plus a front-panel courtesy receptacle.

The unit features both common mode and normal mode *Impedance Tolerant* EMI/RFI filtering for a comprehensive power conditioning solution.

SurgeX *Advanced Series Mode* technology is superior to conventional MOV circuitry or MOV-Hybrid designs and is completely non-sacrificial. Our zero let-through technology provides the most reliable protection available. It stops all surges up to 6,000 volts (unlimited surge current) without producing harmful side effects such as ground contamination or common-mode disturbances.



SURGEX®

Professional AC Power Products

www.surgex.com

10-YEAR WARRANTY

SX1115

SURGE ELIMINATOR & POWER CONDITIONER

- **Advanced Series Mode[®] Surge Protection**
- **Impedance Tolerant[®] EMI/RFI Filtering**

SPECIFICATIONS

Load Rating: 15 amps @ 120 volts.

Power Requirement (no load): 10 watts.

Surge Let-Through Voltage (6000-volt surge):
0 volts.

UL 1449 Adjunct Classification Test Results: 1000 surges, 6000 volts, 3000 amps, B3 pulse; Measured suppressed voltage: 170 volts; no failures.

Federal Guidelines: Grade A, Class 1, Mode 1 (CID A-A-55818).

EMI/RFI Filter, Normal Mode (50-ohm load): 40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz

EMI/RFI Filter, Common Mode (50-ohm load): 18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz

Maximum Applied Surge Voltage: 6000 volts.*

Maximum Applied Surge Current: Unlimited, due to current limiting.*

Maximum Applied Surge Energy: Unlimited, due to current limiting.*

Endurance (C62.41-1991 Category B3 pulses): 1 kV>500,000; 3 kV>10,000; 6 kV>1000.

Dimensions: 1.75" H x 19.0" W x 10.5" D
(4.5 x 48.3 x 26.7 cm)

Weight: 11 lbs (5.0 kg)

Temperature Range: 5° to 35° C

Humidity Range: 5% to 95% R.H., non-condensing.

Agency Listings: ETL and cETL (UL 1449, 2nd edition; CSA C22.2 No.8-M1986, R2000)

*1.2 x 50 μ s pulse, industry standard combination wave surge, as per IEEE C62.41.

TECHNICAL DESCRIPTION

The SX1115 shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #14 line cord. There shall be 8 grounded AC receptacles on the back panel, with 6 switched and 2 always on. The unit shall have a front-panel courtesy receptacle. Overall dimensions shall be 1.75" H x 19" W x 10.5" D. Weight shall be 11 pounds.

The SX1115 shall have a load rating of 15 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering. It shall meet Federal Grade A, Class 1, Mode 1 guidelines for powerline surge suppressors and withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

FEATURES

- Magnetic shielding steel enclosure
- 9' grounded 3-wire #14 line cord
- 8 grounded AC receptacles on rear panel (6 switched, 2 always on)
- Front panel courtesy receptacle
- Advanced *Series Mode* surge protection
- Advanced *Impedance Tolerant* EMI/RFI filtering
- Thermal circuit breaker overload protection
- Self-test circuit with visual indicator
- 10-year warranty
- **Made in U.S.A.**

**NO
MOV's**



SURGEX[®]

Professional AC Power Products

6131 Kellers Church Road • Pipersville, PA 18947

PH 215-766-1240 • FAX 215-766-9202

www.surgex.com

Specifications subject to change without notice. *SurgeX* is a division of New Frontier Electronics Inc.

This product, including its components and/or processes carried out thereby, are covered by one or more of the following:
U.S. Pat. No. 4,870,534; 4,870,528; 6,728,089; 6,744,613; 7,068,487. Can. Pat. No. 1,333,191; 1,332,439. Other Patents Pending.