



SA-82

TECHNICAL DESCRIPTION

The SA-82 shall be a compact mountable unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and include a separate 3-foot, grounded, 3-wire #18 line cord. There shall be 2 grounded AC receptacles. Overall dimensions shall be 1.75" H x 5.31" W x 9.06" D. Weight shall be 3.4 pounds. The SA-82 shall have a load rating of 8 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering and catastrophic over-voltage shutdown. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts..

SPECIFICATIONS		SA-82
Load Rating		8A
Voltage Rating		120V
Power Requirement (no load)		8 W
Input/Mains Plug Type		IEC C14
Input/Mains Cord Length		3'
# of Receptacles		2
Receptacle Type		5-15R
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
EMI/RFI Filter	Normal mode (50Ω load)	>20dB 27kHz - 50MHz > 30dB 90kHz - 26MHz 30 dB @ 100 kHz; 56 dB @ 300 kHz; 64 dB @ 3 MHz; 24 dB @ 30 MHz
	Common Mode (50Ω load)	> 10dB 360kHz - 50MHz > 20dB 2 MHz - 40MHz 9 dB @ 300 kHz; 16 dB @ 1 MHz; 28 dB @ 5 MHz; 35 dB @ 20 MHz
Under-Voltage Auto Shutdown		No
Over-Voltage Auto Shutdown		145V
Over-Current Auto Shutdown		Circuit Breaker
Over-Temperature Auto Shutdown		None
Network Port		No
Serial Port		None
Temperature Sensor Input		None
BTU/h Max		0
Auxiliary Relay Outputs		No
Contact Closure Input		No
Dimensions		1.75" H x 5.31" W x 9.06" D
Weight		3.4 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Conforms to UL Stds 1283 & 1449 Certified to CSA Std C22.2 No. 8

* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

** Specifications subject to change without notice

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