

SA SERIES

45 WATTS



Portable Series • AC Adaptor 45 Watts • Single Output

The Portable Series of products is designed to provide the power requirements for personal computers and portable instruments. This AC adaptor features wide-range AC input fully enclosed in a molded plastic case with a three pin IEC 320 input receptacle. It has a DC output cable, Level B EMI filter, and full UL, CSA, and VDE safety approvals.

SPECIAL FEATURES

- High efficiency
- Miniature size
- Level B EMI filter conducted
- Fully protected for overload and short circuit
- Wide-range AC input
- Fully regulated output
- High MTBF
- IEC320 AC receptacle

ENVIRONMENTAL

Operating temperature:
0°C to +40°C ambient

Storage temperature:
-10°C to +70°C

MTBF: >100,000 hours at full load
and 25°C ambient conditions

ELECTRICAL SPECIFICATIONS

Input

Voltage (Vin) 90 - 264 VAC (wide range)

Current 1.0A rms @ 90 V

Frequency. 47 - 63 Hz

Output

Voltage (Vo) 18 V, or 24 Vdc

Tolerance $\pm 5\%$

Maximum

Power (Po) 45W

Hold-up time 10 ms. minimum at full load, 115 VAC

Overvoltage

protection (OVP) . . (See table next page)

Short circuit

protection Pulsing mode, auto recovery

Connection DC cable with $\varnothing 2.5\text{mm}$ center plug, Barrel type
DC plug center +Ve; DC plug outer -Ve

Efficiency 80% nominal at full load and 115 VAC

SAFETY

VDE 0805 11774-3336-1259

UL 1950 E132002

CSA 22.2-234 LR53982C

IEC 950

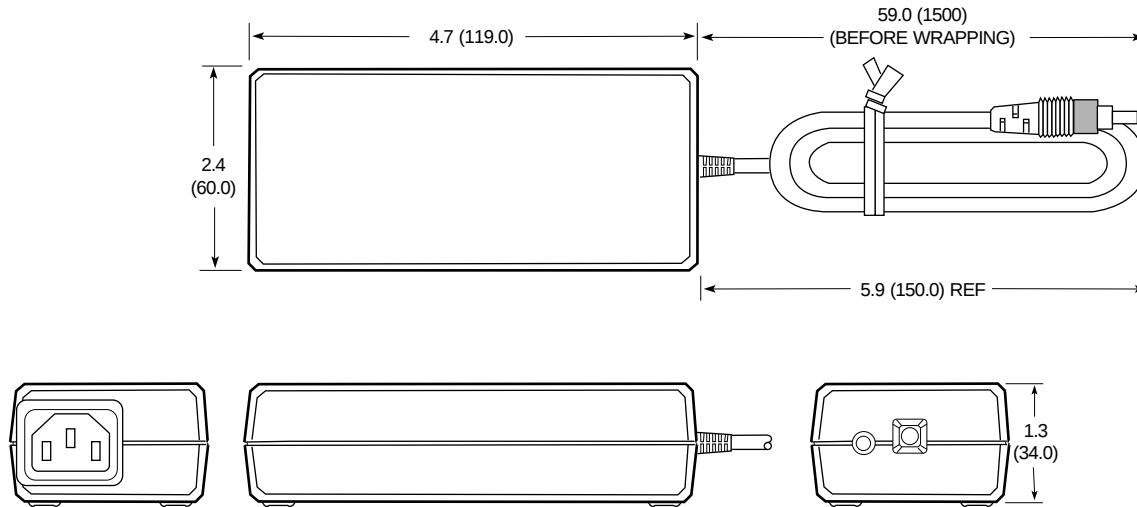
EN 60950 / with Nordic deviation

ORDERING INFORMATION

Model	Power	Vo	Tolerance	Io min	Io max	Ripple P/P (PARD) ¹	OVP max
SA45-3104	45W	18V	± 5%	0 A	2.50 A	180 mV	26V
SA45-3109	45W	24V	± 5%	0 A	1.87 A	240 mV	32V

1. Peak-to-peak with 20 MHz bandwidth and 10 μ F in parallel with a 0.1 μ F capacitor.

DRAWINGS



NOTES

1. Specification subject to change without notice.
2. All dimensions are in inches (mm).
3. Warranty: 1 year
4. Weight:: 0.54 lb / 0.25 kg