

# 30W Universal Input

## PSA-30U Mini-Adaptor Series



### Features

- Compact Size
- Light Weight
- Reliable Design
- Short Circuit Proof

### Applications

- Portable Equipment
- Compact Peripherals
- Computer Networks
- Business Machines

### Safety Approvals

- UL1950 [E127643]
- TUV EN60950 [S9452057]
- CSA 22.2 234 [LR56927-121]
- MITI [91-54488], [91-54489]

### Mechanical Characteristics

- Dimensions:
- Length: 112mm (4.41in)
  - Height: 36mm (1.42in)
  - Width: 60mm (2.36in)
  - Weight: 235gm (8.3oz)

### Output Specifications

| Model            | DC Output Voltage | Load |       | Ripple (1)<br>P-P | Regulation |
|------------------|-------------------|------|-------|-------------------|------------|
|                  |                   | Min. | Max.  |                   |            |
| PSA-30U-050 (P)* | 5V                | 0A   | 4.0A  | 50mV              | ±5%        |
| PSA-30U-090 (P)* | 9V                | 0A   | 2.2A  | 90mV              | ±5%        |
| PSA-30U-120 (P)* | 12V               | 0A   | 2.5A  | 120mV             | ±5%        |
| PSA-30U-150 (P)* | 15V               | 0A   | 2.0A  | 150mV             | ±5%        |
| PSA-30U-180 (P)* | 18V               | 0A   | 1.6A  | 180mV             | ±5%        |
| PSA-30U-240 (P)* | 24V               | 0A   | 1.25A | 240mV             | ±5%        |

(1) Measured at output connector terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel.  
(P)\* Indicated center positive output. Call regarding other voltages.

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### Characteristics

**AC Input Voltage**  
90 to 264 VAC

**AC Input Frequency**  
47 to 63Hz

**AC Input Current**  
1Arms (110VAC)

**AC Leakage Current**  
3.5mA max.

**AC Inrush Current**  
25A at 110VAC, 25°C

**AC Surge**  
IEC 1000-4-5: 801-5 Level 3

**Efficiency**  
75% typical, full load

**Hold-up Time**  
16msec., full load, 115VAC

**Switching Frequency**  
50KHz (typical)

**Overvoltage Protection**  
150% max., Non-condensing

**Overcurrent Protection**  
Short Circuit Protected

**Operation Temperature**  
0 to 40°C

**Storage Temperature**  
-40°C to +85°C

**MTBF**  
50,000 hrs. at full load and 25°C

**Emissions**  
FCC Class B  
VFG243  
EN 50081-1: EN 55022 B

**Immunity**  
EN 50082-1:  
IEC 801-2 Level 3  
IEC 801-3 Level 2  
IEC 801-4 Level 2

**AC Connector**  
EN 60320/13

**DC Connector:**  
2.1mm coaxial, Center positive



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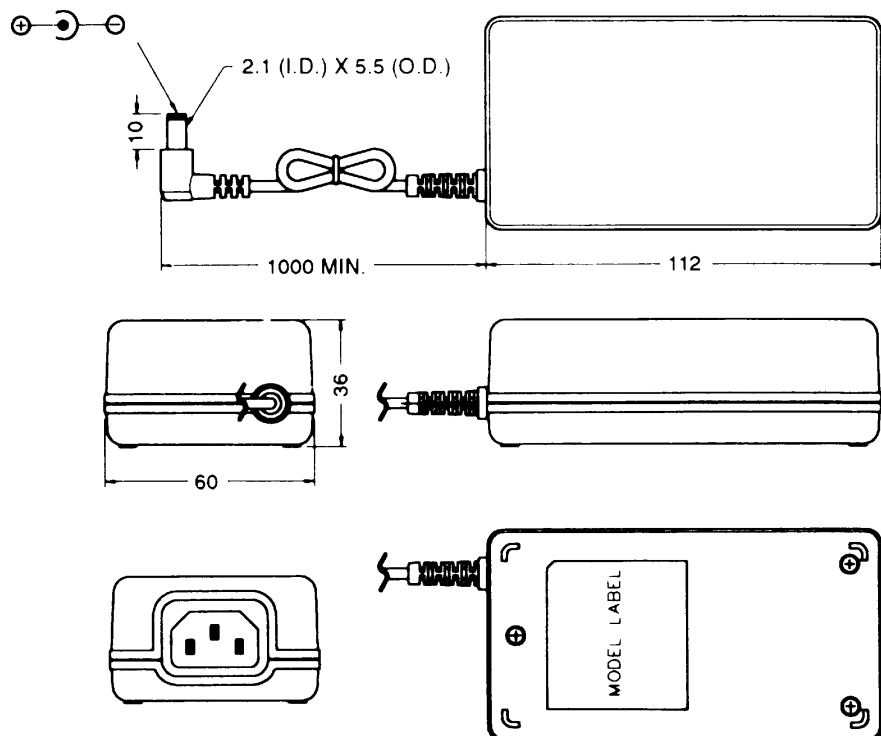
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### Dimension Diagram Unit: mm (inch)



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