

AC/DC Switching Adapter - Single Output

AD-A5 V4 Series 250 Watts

With Active PFC

FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested
- 40 mm cooling fan w/ fan speed control
- Safety Approvals, EMC compliance

ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC (Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 3.5A @ 90VAC; 1.5A @ 264VAC MAX.
- Power factor : >0.9 @ full load, 115VAC/230VAC
- Efficiency : >87% @ AVG. load 115/230 VAC
- Meet CEC and Energy Star level V requirements.
- Green functions=No load power consumption <500mW
- Output Voltage : +12V to +48V
- Voltage regulation : ±5%
- Maximum power (Po) : 250W
- Hold-up time : >16ms typical at full load @ 115VAC
- Protection :
 - ◆ Short Circuit Protection: Auto Recover.
 - ◆ Over Load Protection: Auto Recover.
 - ◆ Over voltage Protection: Latch, AC recycle.

ENVIRONMENTAL

- Operating temperature : -20°C to +40°C
- Storage temperature : -20°C to +85°C
- Humidity: 10% ~ 90%.
- MTBF : >140,000 hours at full load and 25°C ambient temperature



RoHS compliance

Dimension : L 188.5 × W 104.5 × H 60 mm
 (L 7.42" × W 4.1" × H 2.36")
 AC Input : IEC 320-C14 Inlet
 Net Weight : 1060 gs. (2.34 lbs)

SAFETY STANDARDS

- UL 60950-1
- CSA C22.2-No. 60950-1
- TUV EN60950-1
- CB IEC 60950-1

EMC STANDARDS

- FCC Class B
- CISPR22 Class B
- EN 55022 Class B
- CE

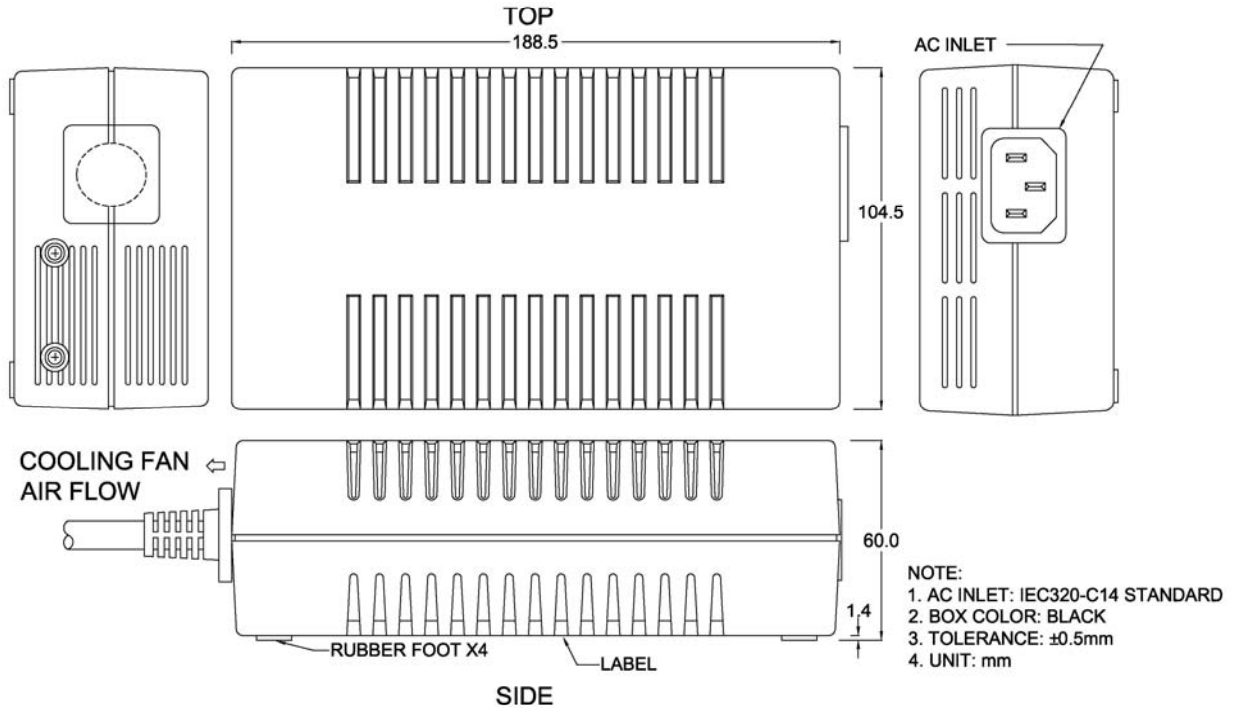
DC OUTPUT & FEATURES

| Model | Output Rating | | Po | O/P Regulation | Ripple & Noise(Vp-p) | CEC (IV) | Energy Star |
|-----------------|---------------|--------|------|----------------|----------------------|----------|-------------|
| PW-250A4-1Y120E | 12V | 20.83A | 250W | ±5% | 240mV | V | Level V |
| PW-250A4-1Y160E | 16V | 15.63A | 250W | ±5% | 300mV | V | Level V |
| PW-250A4-1Y190E | 19V | 13.16A | 250W | ±5% | 300mV | V | Level V |
| PW-250A4-1Y200E | 20V | 12.5A | 250W | ±5% | 300mV | V | Level V |
| PW-250A4-1Y240E | 24V | 10.42A | 250W | ±5% | 300mV | V | Level V |
| PW-250A4-1Y360E | 36V | 6.94A | 250W | ±5% | 300mV | V | Level V |
| PW-250A4-1Y480E | 48V | 5.21A | 250W | ±5% | 300mV | V | Level V |

Note: 1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.



MECHANICAL SPECIFICATION



STANDARD OUTPUT CABLE

1. AWM 2464 # 16AWG / 6C + SHIELDING, UL 80°C 300V VW-1, 1000 mm±30mm(MIN) for 16V~48V output; 800mm±30mm for 12V output.
2. Depends on customers requirements.



トキトレーディング株式会社

〒669-1354 兵庫県三田市大畑34-24

TEL. 079-560-7333 FAX. 079-560-7334

Email. info@toki-t.com Web. http://www.toki-t.com

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