

AC/DC Switching Adapter - Single Output

FEATURES

- High Reliability
- 100% BURN-IN Tested
- 100% Hi-Pot tested
- Safety Approvals, EMC compliance

ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC (Full Range)
- Frequency : 47 - 63Hz
- Input current (rms) : 1.8A @ 90VAC; .9A @ 264VAC MAX.
- Power factor : >0.9 @ full load, 115VAC/230VAC
- Efficiency : >87% @ AVG. load 115/230 VAC
- Green functions : No load power consumption <500mW
- Output Voltage : +12V to +48V
- Voltage regulation : ±5%
- Maximum power (Po) : 160W
- Hold-up time : >10ms typical at full load @ 115VAC
- Protection :
 - ◆ Short Circuit Protection: Auto Recover.
 - ◆ Over Load Protection: Iout X 150% ; Auto Recover.
 - ◆ Over Voltage Protection: Vout x 150% Max; Latch, AC recycle.
 - ◆ Over Temperature Protection: Auto Recovery
When Short Circuit Protection & Over Current Protection is activated, unit will shut down automatically ;
Once failure condition is removed, unit will restart automatically



Shown With & Without On/Off Switch

Dimension : L 183.2×W 81.0×H 42.3 mm

AC Input : IEC 320-C14 Inlet

SAFETY STANDARDS

- UL60601-1
- CSA C22.2-No. 60601-1
- TUV EN60601-1
- CB IEC60601-1

EMC STANDARDS

- EN60601-1-2
- FCC Part 18 Class B
- EN55011 Class B
- CE

ENVIRONMENTAL

- Operating temperature : 0°C to +50°C
- Storage temperature : -10°C to +85°C
- Humidity: 20% ~ 80%.
- MTBF : 50,000 hours min at 25°C ambient temperature by MIL-Handbook-217F

DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	CEC IV	Energy Star
APTM160-12-B	12V	12.5 A	150W	±5%	240mV	●	V
APTM 160-19-B	19V	8.40A	160W	±5%	320mV	●	V
APTM160-24-B	24V	6.60A	160W	±5%	380mV	●	V
A PTM160-48-B	48V	3.30A	160W	±5%	400mV	●	V

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



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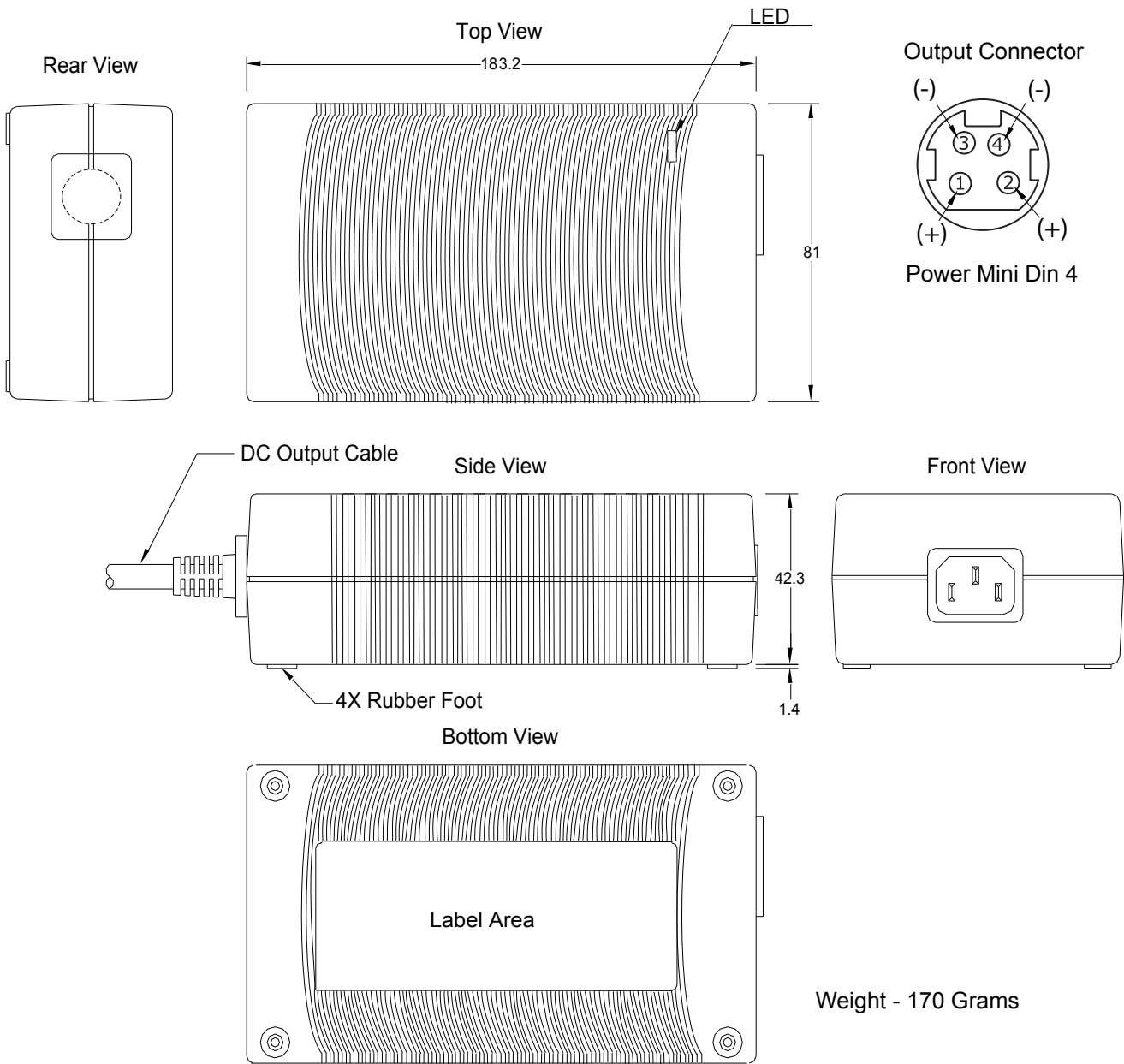
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MECHANICAL SPECIFICATION



NOTES:

CASE COLOR: Black ; UL 94V-0Weight
 AC INLET: IEC320-C14
 DC CABLE: UL2464 16AWG Length = 1200mm
 TOLERANCE: ± 0.5mm



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