

Medical AD-A9 Series 24Watts Class II

AC/DC Switching Adapter - Single Output

FEATURES

- Medical 60601-1 3.1st Edition approved
- 2-pole IEC320-C8 AC inlet, Class II
- Power ON LED indicator
- Fully meet CEC, ERP, EISA, and Energy Star level V requirements.
- Meet UL 1310 NEC Class 2 requirement.
- Output Voltage : +5V to +48V
- No load Power consumption < 300mW
- 2 year warranty



ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Inrush current : < 30A peak @115VAC; < 60A peak @230VAC cold start @25°C
- Input current (rms) : 0.7A @90VAC; 0.35A @264VAC max.
- Maximum output power (Po) : 24Watts
- Hold-up time : > 10ms typical @full load, 115VAC
- Short Circuit Protection: Auto-recovery.
- Over Load Protection: Auto-recovery.
- Over Voltage Protection: Shutdown and latch off, AC recycle

RoHS Compliant

Dimension : L78 × W50 × H35 mm (2.95" × 1.97" × 1.38")
Weight : 0.13 kgs. (0.29 lbs.)

SAFETY STANDARDS

UL60601-1 3.1st Edition
CSA-C22.2 No.60601-1 3.1st Ed.
EN60601-1 3.1st Edition
IEC EN60601-1 3.1st Edition

EMI STANDARDS

EN60601-1-2 Ed4:2015
IEC60601-1-2 Ed4:2014
EN55011 Class B
FCC Part 18 Class B
CE

ENVIRONMENTAL

- Operating temperature : -20 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)
- Storage temperature : -20°C to +85°C
- Humidity: 20% ~ 90%.
- MTBF : >150,000 hours at full load and 25°C ambient temperature

DC OUTPUT & FEATURES

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	DOE Efficiency
PW-M015A-1Y050K0	5V	3.00A	15W	+5% / -3%	50mV	V
PW-M024A-1Y090K0	9V	2.67A	24W	+5% / -3%	90mV	V
PW-M024A-1Y120K0	12V	2.00A	24W	+5% / -3%	120mV	V
PW-M024A-1Y160K0	16V	1.50A	24W	+5% / -3%	160mV	V
PW-M024A-1Y180K0	18V	1.34A	24W	+5% / -3%	180mV	V
PW-M024A-1Y240K0	24V	1.00A	24W	+5% / -3%	240mV	V
PW-M024A-1Y360K0	36V	0.67A	24W	+5% / -3%	360mV	V
PW-M024A-1Y480K0	48V	0.50A	24W	+5% / -3%	480mV	V

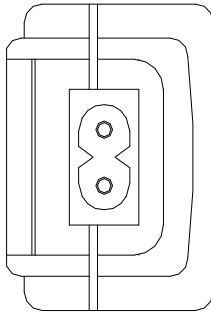
Note: 1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.



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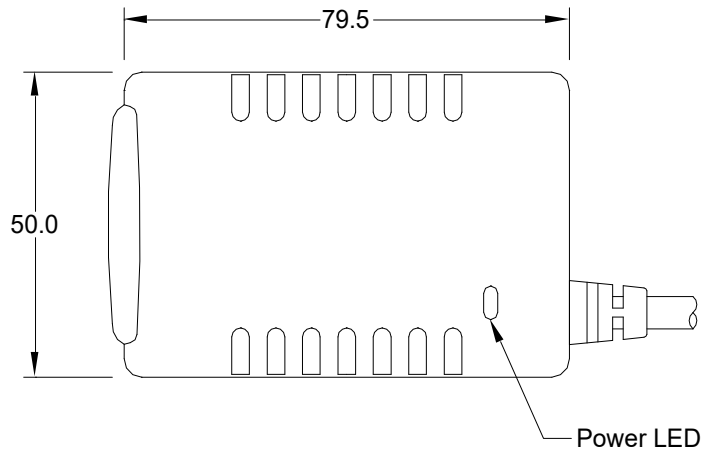
MECHANICAL SPECIFICATION

Front View

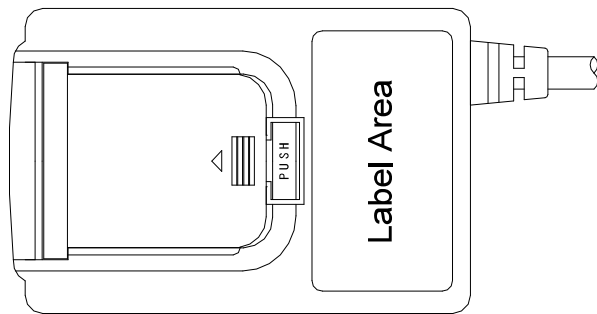
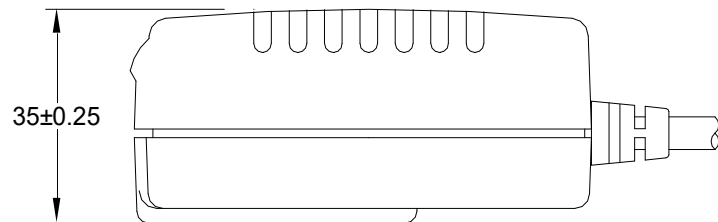


IEC320-C8

Top View



Side View



Bottom View

Note:

1. AC Inlet : IEC320-C8
2. Plastic Case Color : Black
3. Tolerance : $\pm 0.5\text{mm}$
4. Unit : mm

STANDARD OUTPUT CABLE

1. AWM 1185 # 18 AWG / 1C + SHIELDING, UL 80°C 300V VW-1, 1550 mm.
2. Depends on customers requirements.