

**AC/DC Switching Adapter - Single Output**

**Medical AD-A9 Series  
24Watts Class II**

**FEATURES**

- Medical 60601-1 3.1<sup>rd</sup> 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 x W50 x H35 mm ( 2.95" x 1.97" x 1.38")  
Weight : 0.13 kgs. ( 0.29 lbs. )

**SAFETY STANDARDS**

UL60601-1 3.1<sup>rd</sup> Edition  
CSA-C22.2 No.60601-1 3.1<sup>rd</sup> Ed.  
EN60601-1 3.1<sup>rd</sup> Edition  
IEC EN60601-1 3.1<sup>rd</sup> Edition

**EMI STANDARDS**

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

**ENVIRONMENTAL**

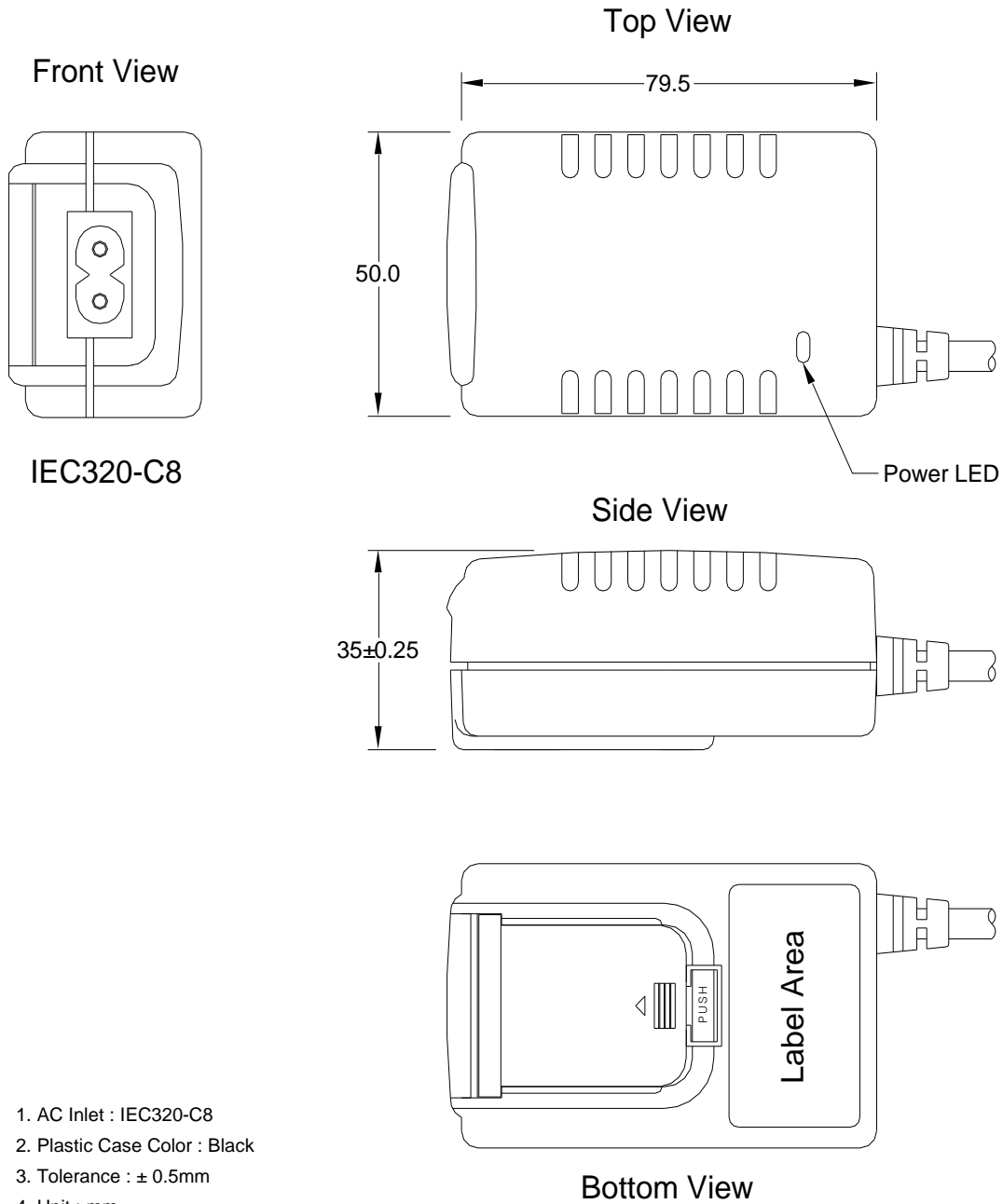
- Operating temperature : -20 to +60°C (Derate linearly 2.5% per °C from 41 to 60°C)
- Storage temperature : -20°C to +85°C
- Humidity: 20% ~ 90%.
- MTBF : >150,000 hours at full load and 25°C ambient temperature

**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.

**MECHANICAL SPECIFICATION**



- Note:
1. AC Inlet : IEC320-C8
  2. Plastic Case Color : Black
  3. Tolerance : ± 0.5mm
  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.