

**Medical AC/DC Switching Power Adapter****Single Output  
40/60/65Watts Series****Level VI and EU COC Tier 2****FEATURES**

- Medical 60601-1 3.1<sup>st</sup> Edition approved
- Meet IEC60601-1-2 Ed4:2014
- 3-pole IEC320-C14 AC inlet, Class I
- Altitude: 5,000M, 2 x MOPP, BF rated
- Meet Efficiency Level VI and EU COC Tier 2 requirements
- No load Power consumption < 150mW
- Earth leakage current : < 100uA
- 3 year warranty

**ELECTRICAL SPECIFICATIONS**

- Input range : 90 - 264VAC
- Frequency : 47 - 63Hz
- Inrush current : < 50A peak @115VAC; < 90A(5V 120A) peak @230VAC cold start @25°C
- Input current (rms) : 2A @90VAC; 1A @264VAC max.
- Efficiency : > 89% @average load, 115/230VAC (Except +5V model)
- Maximum output power (Po) : 40Watts / 60Watts /65Watts
- Hold-up time : > 16ms 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 : L132 × W69 × H40 mm ( 5.2" × 2.72" × 1.57" )

Weight : 0.39 kgs. ( 0.86 lbs )

**SAFETY STANDARDS**

UL/c-UL 60601-1 3.1<sup>st</sup> Edition  
TUV EN60601-1 3.1<sup>st</sup> Edition  
CB IEC EN60601-1 3.1<sup>st</sup> Edition

**EMC STANDARDS**

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

**ENVIRONMENTAL**

- Operating temperature : -20 to +60°C (Derate linearly 2.5% per °C from 51 to 60°C)
- Storage temperature : -20°C to +85°C
- Humidity: 20% ~ 90%.
- MTBF : > 100,000 hours at full load and 25°C ambient temperature

**DC OUTPUT & FEATURES**

Model	Output Rating		Po	O/P Regulation	Ripple & Noise(Vp-p)	Efficiency Level
<b>M040A2-1Y050A</b>	+ 5V	8A	40W	±5%	120mV	VI
<b>M060A2-1Y120A</b>	+ 12V	5A	60W	±5%	120mV	VI
<b>M060A2-1Y150A</b>	+ 15V	4A	60W	±5%	150mV	VI
<b>M065A2-1Y190A</b>	+ 19V	3.42A	65W	±3%	190mV	VI
<b>M065A2-1Y240A</b>	+ 24V	2.7A	65W	±3%	240mV	VI
<b>M065A2-1Y280A</b>	+ 28V	2.32A	65W	±3%	280mV	VI
<b>M065A2-1Y360A</b>	+36V	1.81A	65W	±3%	360mV	VI
<b>M065A2-1Y480A</b>	+ 48V	1.35A	65W	±3%	480mV	VI

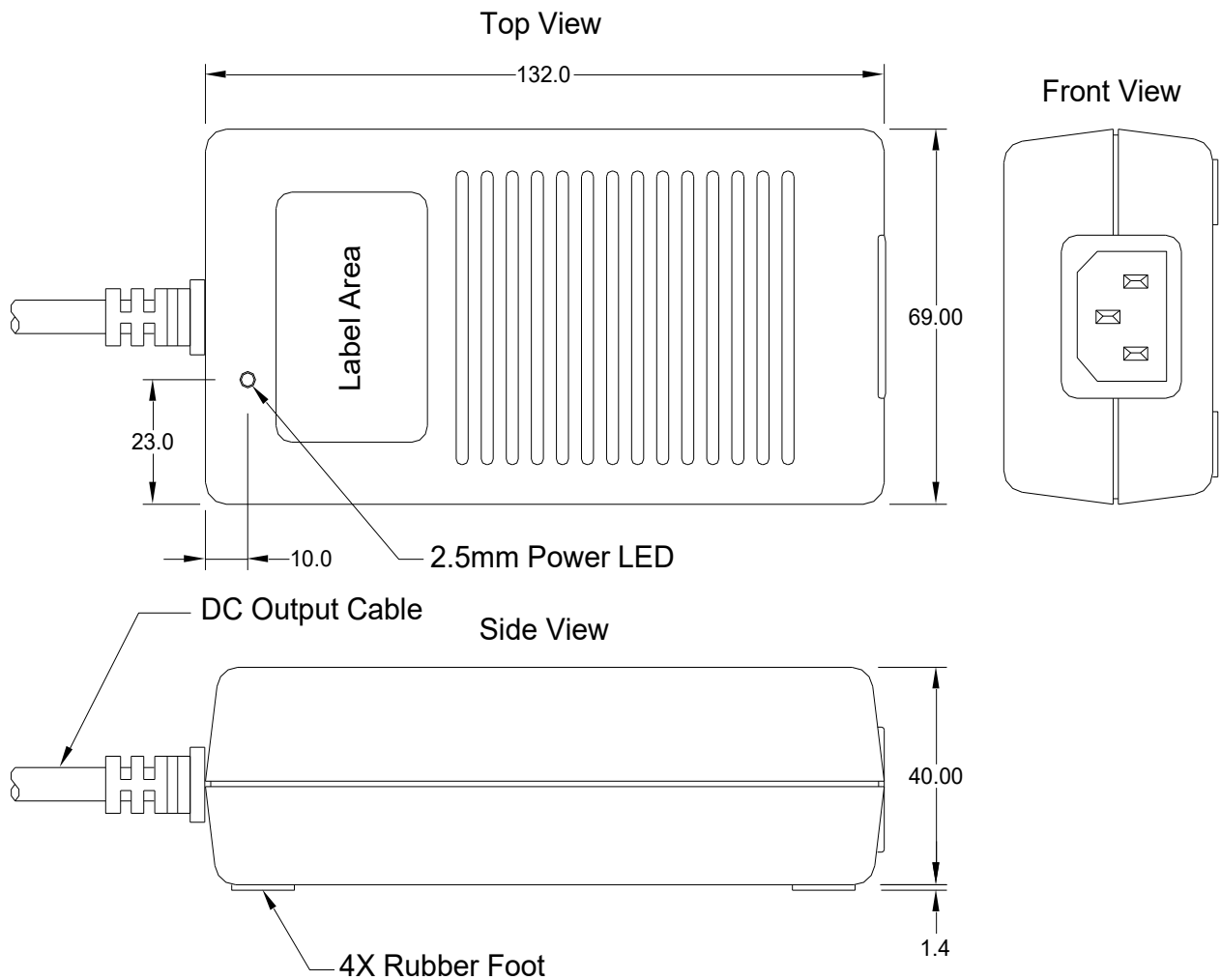
**Note:** 1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

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Level VI and EU COC Tier 2

**MECHANICAL SPECIFICATION****Note:**

1. AC Inlet : IEC320-C14
2. Power ON LED optional
3. Plastic Case Color : Black
4. Tolerance :  $\pm 0.5\text{mm}$
5. Unit : mm

**STANDARD OUTPUT CABLE**

1. AWM 1185#16AWG 1C+SHIELDING, UL 80°C 300V VW-1, 1000mm.
2. AWM 1571#14~16AWG 1C+SHIELDING, UL 80°C 30V VW-1, 1000mm. (5V model: 600mm)
3. Depends on customers requirements.