



## 10W Medical Grade Adapter with Interchangeable Plugs\*



\*Plugs sold separately

### Features

- DoE Level VI & CoC V5 Tier 2
- Field Changeable AC Plugs
- 2XMOPP Isolation
- Class II
- Suitable for BF applications with system consideration
- LPS compliant
- IP21rating
- OVP, OCP, SCP, OTP, brown-in and brown-out protections

### Applications

- Home healthcare equipment
- Patient monitor
- Portable medical devices
- ECG machine
- Respirator

### Approvals and Certifications

- ANSI/AAMI ES 60601-1
- CAN/CSA C22.2 No.60601-1
- IEC60601-1-2:2014(4<sup>TH</sup> Edition)
- IEC60601-1-6:2010 + AMD1:2013
- IEC 60601-1:2005 + A1:2012 (Edition 3.1)
- IEC60601-1-11:2015
- IEC62366:2007 + A1:2014

### Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.97in)
- Height: 40mm (1.57in)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max.)	Regulation Line & Load
		Min.	Max.		
PMA10R-050AW-R	5V	0A	2A	100mV	±5%

Notes:

1. Test by 20Mhz bandwidth mode hi resolution with 10uF and 0.1uF capacitor
2. The characteristics defined are at ambient temperature of 25°C unless otherwise specified

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**Input:****AC Input Voltage Rating**

115 to 230V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.3A max at 100VAC

**Leakage Current**

&lt;100uA at 264VAC/50Hz

**Inrush Current**

60A maximum at 240V AC

(Cold start &amp; at input rated voltage +/-10%)

**Output:****Efficiency**

DOE Level VI

CoC V5 tier 2

**Environmental:****Temperature**

Operation 5 to +40°C

Non-operation -25 to +70°C

Relative Humidity 93% RH Max

**Emissions**

Complies with CISPR 11 Class B

**Immunity**

ESD: EN 61000-4-2,

RS : EN61000-4-3

EFT/Burst : EN61000-4-4

Surge: EN 61000-4-5

CS : EN61000-4-6

Power Frequency Magnetic Field: EN61000-4-8

Voltage Dips : EN61000-4-11

**Over-Voltage Protection**

9V maximum

**Short-Circuit Protection**

The power supply shall be protected when operating any output in overload condition, or when operating any output in a short. The power supply shall be self-recovering when the fault condition is removed circuit condition.

**Over-Current Protection**

The power supply will be protected when output power at 2.3A(RMS) of all rated dc output

**Over-Temperature Protection**

Over-temperature protection sensor

**Dielectric Withstand (Hi-pot) Test**

Pri. to Sec. &gt;4000VAC 10mA for 1 Minute

**DC Output Connector**

DC plug type 5.5 x 2.1 x 10mm (fork &amp; groove)

DC plug pin assignment:

Inner (+V), Outer GND(-)

**Medical AC Input Clips (sold separately):**

<b>Part no:</b>	<b>Description:</b>
RPA-MAB1W	US – white
RPB- MAB1W	Brazil – white
RPE- MAB1W	Euro – white
RPH- MAB1W	Korea – white
RPK- MAB1W	UK – white
RPN-MAB1W	Argentina – white
RPS- MAB1W	AU – white



**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.