



9W Medical Grade Adapter Series 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
- IP21 rating
- 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
- IEC60601-1-6:2010 + AMD1:2013
- IEC62366:2007 + A1:2014
- IEC 60601-1:2005 + A1:2012(Edition3.1)
- IEC60601-1-11:2015
- IEC60601-1-2:2014(4TH Edition)

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.97in)
- Height: 40mm (1.57in)
- Weight: 125g (4.41oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ¹ P-P (max.)	Regulation Line & Load
		Min.	Max.		
PMA09R-060A-R ²	6V	0A	1.5A	100mV	±5%
PMA09R-090A-R ²	9V	0A	1A	100mV	±5%

Notes:

1. This is performed by applying a 0.1µF ceramic capacitor and a 10µF low-ESR Electrolytic capacitor across the test point and oscilloscope is setting 20MHz
2. Special Order MOQ
3. The characteristics defined are at ambient temperature of 25°C unless otherwise specified

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Input:**AC Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

85 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

0.3A max at 100VAC

Inrush Current60A maximum at 264VAC
(Cold start at ambient 25°C)**Leakage Current**

<100uA at 264VAC/60Hz

Power Consumption≤75mW max @115VAC/230VAC
(30 min integration)**Output:****Efficiency**DOE Level VI
CoC V5 Tier 2**Environmental:****Temperature**

Operating	5°C to +50°C
Non-operating	-25°C 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
Voltage Dips :	EN61000-4-11

Over-Voltage Protection

6V: <10V maximum

9V: <13V maximum

Short-Circuit Protection

The output can be shorted without damage. Auto recover mode.

Over-Current Protection

6V: 2.4A max @AC85V-264V

9V: 1.8A max @AC85V-264V

Over-Temperature Protection

Auto recovery mode

Dielectric Withstand (Hi-pot) Test

Pri. to Sec. 4400VAC 10mA for 1 Minute

Insulation Resistance

Pri. to Sec. 500Vdc 100M ohm min.

DC Output Connector

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

DC plug pin assignment:

Inner (+V), Outer GND(-)

DC Output Cable

1500mm 20AWG

Medical AC Input Clips (sold separately):

Part no:	Description:
RPA-MAB1	US
RPB- MAB1	Brazil
RPE- MAB1	Euro
RPH- MAB1	Korea
RPK- MAB1	UK
RPN-MAB1	Argentina
RPS- MAB1	AU

Dimension Diagram Unit: mm

