



10W Adapter for Medical Applications

PMA10R-050A-R/ PMA10R-120A-R/ PMA10R-240A-R

● Interchangeable plug ● Type BF ● DoE 6 & CoC V5 T2



The 10W adapters with interchangeable AC clips for medical applications are the latest offering from a world leader of charging adapter - Phihong Technology. This R-type medical adapter series has 8 types of AC clips to meet clients' needs. Featuring universal input from 90V to 264Vac, the 10W adapters have 5V, 12V and 24V DC output voltages. They meet Type BF requirements. To achieve energy saving goal, they meet DoE Level VI and CoC V5 tier 2 energy efficiency requirements.

Features :

Efficiency	DoE Level VI and CoC V tier 2
No Load Input Power	$\leq 75\text{mW}$ @ 230VAC input
Protection	OVP, OCP, SCP, OTP
Insulation Resistance	$>100\text{M}\Omega$ @ 500Vdc
Dielectric Withstand Voltage	Primary to secondary, $>4000\text{Vac}$, 1 minute
OVP	V out shall not exceed 9V/16V/32V
OCP (rms, min)	0.5A(24V), 1A(12V), 2.4A(5V) Auto recovery
SCP	Auto recovery
Average Efficiency	79% min; 81.95% min.
DC output Cable/Length	UL1185 20AWG; 1500 mm \pm 50 mm
Dimension (mm)	50.0 x 71.7 x 20.0
AC Plug	US, EU, UK, Brazil, China, Korea, Argentina, Australia

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.3A max at 100Vac
Output Voltage/Current	5V/2A; 12V/0.8A; 24V/0.4A
Maximum Output Power	9.6W/10W
Output Ripple & Noise	100mVp-p/120mVp-p /240mVp-p
Leakage Current	$<100\mu\text{A}$ @ 264Vac/50Hz (meet Type BF)
AC Inrush Current	60A max. For cold start and at rated input
Over-shoot	$<10\%$ of nominal voltage value
Hold-up Time	16ms min @ 115Vac/60Hz and full load
Turn-On Delay Time	$<3\text{s}$ @ full load
Rise Time	$<20\text{ms}$, 10%~90%

Environmental Specifications :

Operating Temperature	5°C ~ +40°C
Storage Temperature	-25°C ~ +70°C
Humidity, Operation	15% ~ 93% RH
Humidity, Storage	10% ~ 93% RH
MTBF (MIL-STD-217F)	$>50\text{K hr}$ at 25°C

Safety and Compliance :

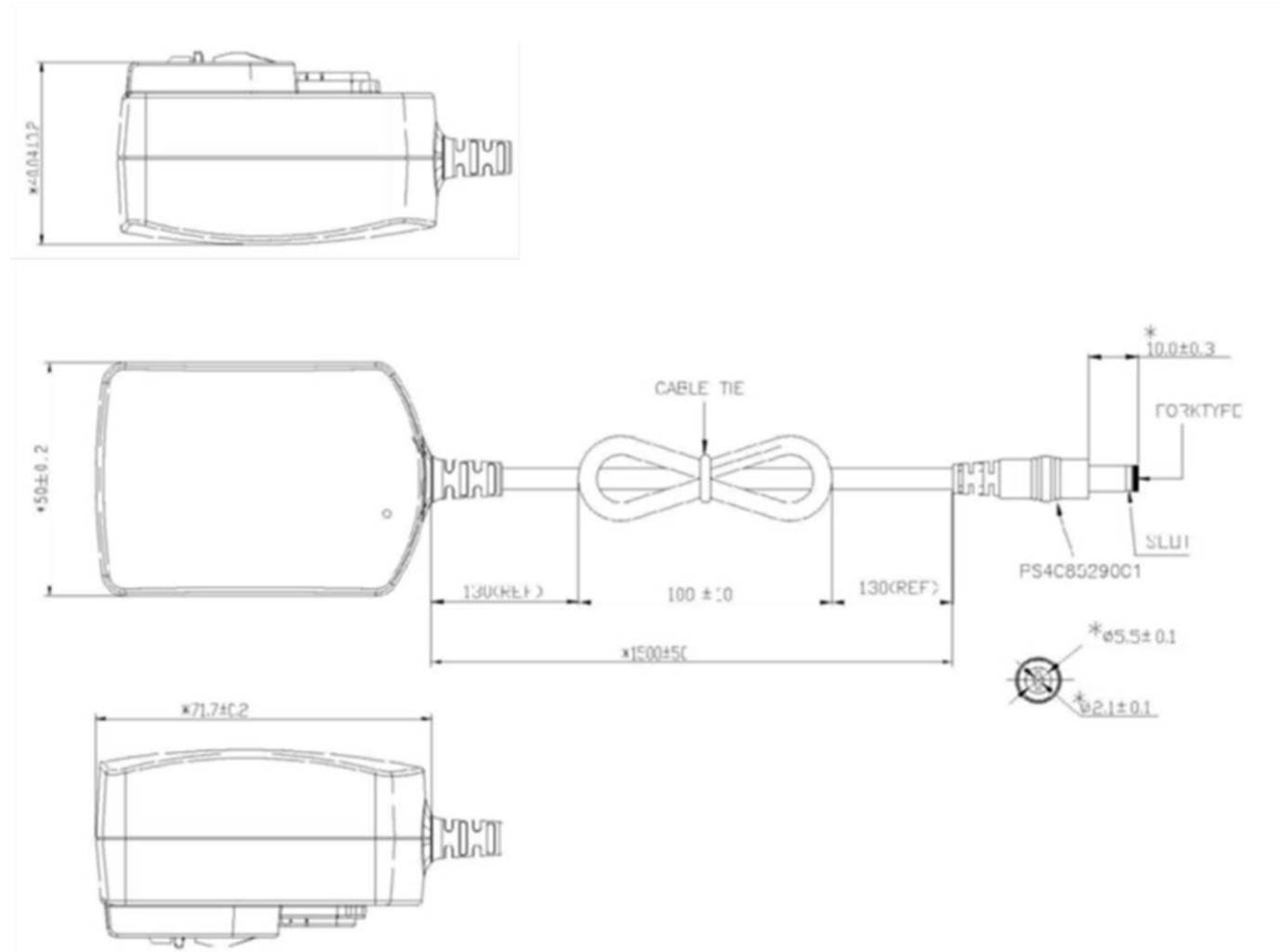


PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw



Dimensions: mm





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AC Clip Selections

Country	Black Model Number	White Model Number
US	RPA-MAB1B-R	RPA-MAB1W-R
EU	RPE-MAB1B-R	RPE-MAB1W-R
UK	RPK-MAB1B-R	RPK-MAB1W-R
China	RPC-MAB1B-R	RPC-MAB1W-R
Brazil	RPB-MAB1B-R	RPB-MAB1W-R
Korea	RPH-MAB1B-R	RPH-MAB1W-R
Australia	RPS-MAB1B-R	RPS-MAB1W-R
Argentina	RPN MAB1B-R	RPN MAB1W-R

Model Selections

Model Selections				
Model Number	Case Color	Output Voltage (Vdc)	Output Current (A)	Max. Output Power (W)
PMA10R-050A-R	Black	5	2.0	10
PMA10R-050AW-R	White	5	2.0	10
PMA10R-120A-R	Black	12	0.8	9.6
PMA10R-120AW-R	White	12	0.8	9.6
PMA10R-240A-R	Black	24	0.4	9.6
PMA10R-240AW-R	White	24	0.4	0.6

AC clips : US, EU, UK, Brazil, Korea, China, Australia and Argentina

Headquarters

No. 568, Fusing 3rd Rd.,
Gueishan District, Taoyuan City,
333, Taiwan, R.O.C.
Tel: +886-3-3277288
Fax: +886-3-3185999
phsales@phihong.com.tw
www.phihong.com.tw

Phihong USA

47800 Fremont Blvd.
Fremont, CA 94538, USA
Tel: +1-510-445-0100
Fax: +1-510-445-1678
usasales@phihongusa.com
www.phihong.com

Phihong China

Science & Technology Rd.,
Silver Lake Industrial Area
Qingxi Town, Dong Guan City,
Guang Dong (523648), China
Tel: +86-769-87319026
Fax: +86-769-87317106
phsales@phihong.com.tw

Phihong Japan

〒135-0016 東京都江東区東陽
3丁目23番24号 VORT 東陽町
ビル5階
TEL : +81-3-5677-1678
FAX : +81-3-5634-5255
phsales@phihong.com.tw
www.phihong.co.jp

Phihong Europe

Wattstraat 50, 2171 TR
Sassenheim, The Netherlands
Tel: +31-(0)-252-225910
Fax: +31-(0)-252-218764
sales@phihongeu.com
www.phihong-lighting.com



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288
- www.phihong.com.tw
- phsales@phihong.com.tw