

## TECHNICAL DATASHEET

# 10W Wall Mount Adapter AU / NZ



## Applications

- MPEG Players
- Personal Electronics
- PDAs
- Digital Cameras

## Features

- Fixed Blade AC Input
- Australian and New Zealand MEPS (Minimum Energy Performance Standards) Compliance
  - o AS/NZS 4665.1:2005 + A1:2009
  - o AS/NZS 4665.2:2005 + A1:2009
- Limited Power Source
- Class B EMI
- AA10S-050A(M)-R charging scheme: Data Lines (Pins 2 and 3) Shorted

## Safety Standards



## Dimensions

71.2 x 34.0 x 55.0 mm  
(2.80 x 1.60 x 2.17 inch)

## Specifications

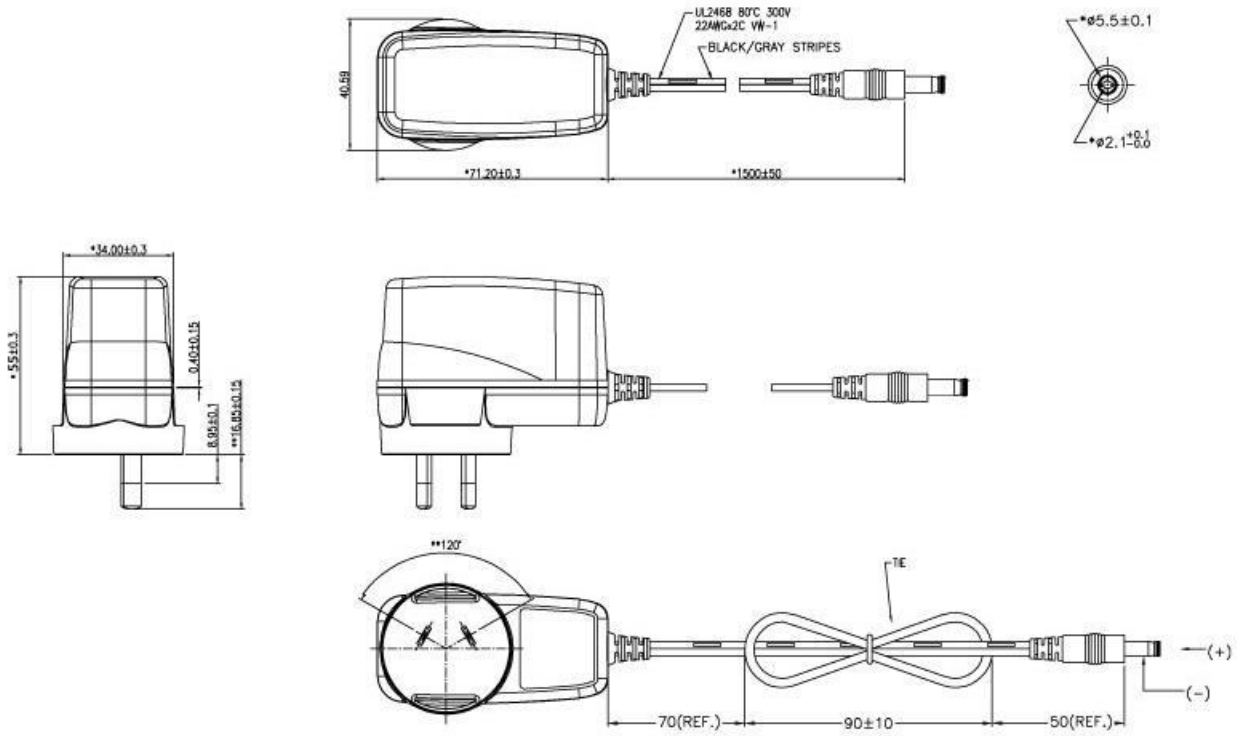
### AA10S Specifications<sup>1</sup>

| Model                    |   | AA10S-050A-R  | AA10S-050A(M)-R <sup>2,1,2,2</sup> |
|--------------------------|---|---|------------------------------------|
| Output                   | DC Output Voltage   | 5.0V  |                                    |
|                          | Max Current   | 2.0A  |                                    |
|                          | Output Power  | 10.0W   |                                    |
|                          | Regulation  | ± 1% Line   |                                    |
|                          | Ripple & Noise P-P(max) <sup>2</sup>  | 200mV   |                                    |
| Input                    | AC Input Voltage Range  | 90 to 264VAC  |                                    |
|                          | AC Input Frequency  | 47 to 63Hz  |                                    |
|                          | Input Current   | 0.3A(RMS) max @115VAC/60Hz  |                                    |
|                          | No Load Power Consumption at 115VAC Input   | ≤0.1W   | ≤0.1W                              |
|                          | No Load Power Consumption at 230VAC Input   | ≤0.075W   | ≤0.075W                            |
|                          | 115VAC Average Efficiency <sup>3</sup>  | ≥78.70%   | ≥78.70%                            |
|                          | 230VAC Average Efficiency <sup>3</sup>  | ≥79%  | ≥79%                               |
|                          | 230VAC 10% Average Efficiency <sup>3</sup>  | ≥69.7%  | ≥69.7%                             |
|                          | Leakage Current   | 20uA max @254VAC/50Hz   |                                    |
| Protection               | Over-Voltage  | 9.0V max  |                                    |
|                          | Short Circuit   | The output can be shorted without damage  |                                    |
| Environmental            | Operation Temperature   | 2.2A max  |                                    |
|                          | Non-Operating Temperature   | 0°C to +40°C  |                                    |
|                          | Operating Humidity  | -20° to +85°C   |                                    |
| Safety Approvals and EMC | Dielectric Withstand (Hi-pot)   | 85% Relative Humidity   |                                    |
|                          | Insulation Resistance   | Primary to Secondary: 3000VAC for 1min, 10mA  |                                    |
|                          | Standards   | AS/NZS 3112:2017  |                                    |
|                          | EMI Emissions   | AS/NZS CISPR 32:2015: Class B Conducted & Radiated  |                                    |
|                          | Harmonic Current Emissions  | IEC 61000-3-2   |                                    |
|                          | Voltage Fluctuations & Flicker  | IEC 61000-3-3   |                                    |
|                          | Immunity  | EN 55024/CISPR 24, EN55035/CISPR 35:<br>IEC 61000-4-2 (+/- 8kV air, +/- 4kV contact), IEC 61000-4-3,<br>IEC 61000-4-4, IEC 61000-4-5 (+/- 1kV), IEC 61000-4-6,<br>IEC 61000-4-8, IEC 61000-4-11 |                                    |
| Mechanical               | Dimension(LxWxH)  | 71.2mm (2.80in) x 34.0mm (1.60in) x 55.0mm (2.17in)   |                                    |
|                          | Weight  | 75.1g   |                                    |
|                          | Cable Length  | 1500mm  |                                    |
|                          | DC Cable Type   | 22 AWG  |                                    |
|                          | DC Output Connector   | 2.1mm x 5.5mm x 9.5mm   | USB Micro-B                        |
| Notes                    | 1. The specifications defined are at ambient temperature of 25°C, unless otherwise specified. |   |                                    |

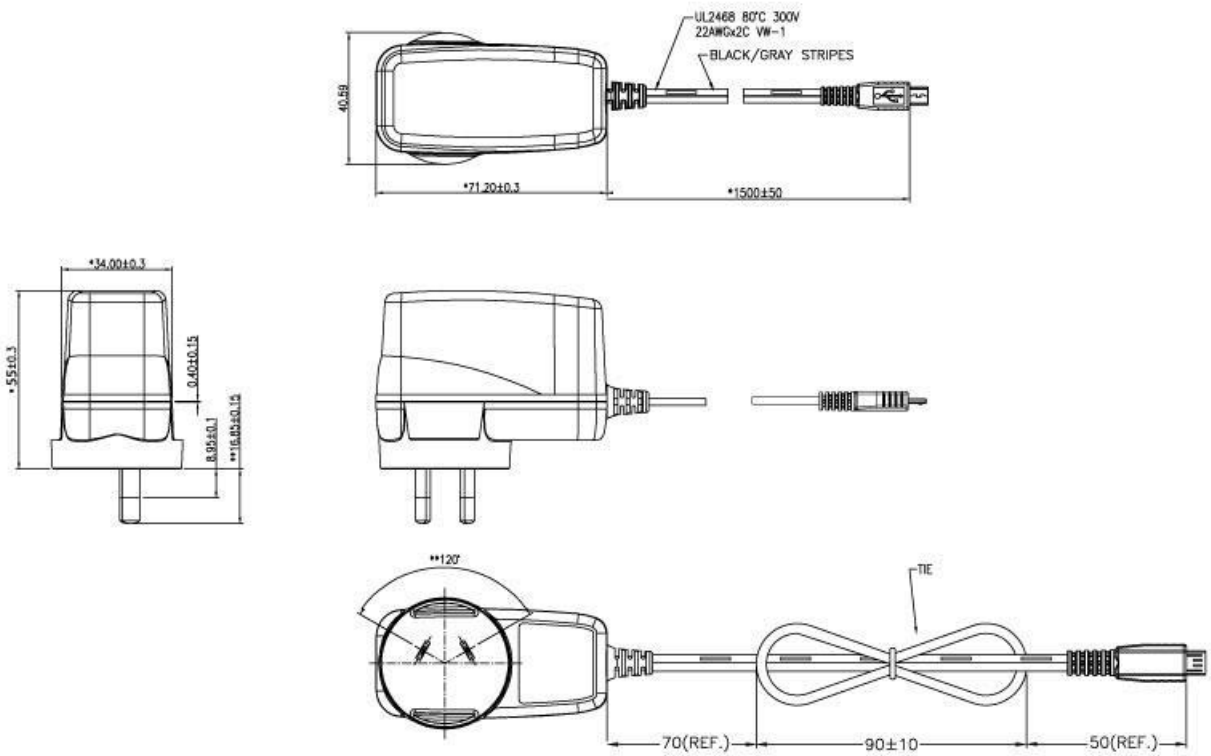
|  |  |
|--|--|
|  | 2. 20MHz bandwidth frequency oscilloscope, add a 0.1 $\mu$ F multilayer Cap. and Low ESR Electrolytic Cap. (10 $\mu$ F) at output connector terminals (nominal line voltage, full load). |
|--|--|

|  |   |
|--|---|
|  | 3. Efficiency is measured after 30 minutes burn-in. |
|--|---|

# AA10S-050A-R Outline Drawing



# AA10S-050A(M)-R Outline Drawing



## Phihong Locations



### Headquarters Phihong Technology Co., Ltd

No. 568, Fuxing 3rd Rd., Gueishan Dist., Taoyuan City (33383), Taiwan  
 Tel : +886-3-3277288  
 Fax : +886-3-3277622  
 phsales@phihong.com.tw  
 www.phihong.com.tw



### Phihong Technology Co. Ltd. (Tainan R&D Center)

No. 99, Zhengnan 1st. Street, Yongkang Dist., Tainan City 71046, Taiwan  
 Tel : +886-6-254-7588  
 Fax : +886-6-254-7288  
 phsales@phihong.com.tw  
 www.phihong.com.tw



### Phihong China

Room 101, Building 5, 133-1 Tiesong Road, Qingxi Town, Dong Guan City, Guangdong (523642), China  
 Tel : +86-769-87736405  
 phsales@phihong.com.tw



### Phihong USA

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



### Phihong Japan

PMOEX Nihonbashi Kayabacho 10F, 2-12-10  
 Nihonbashi Kayabacho, Chuo City, Tokyo 103-0025 Japan  
 Tel : +81-3-6626-5513  
 Fax : +81-3-6629-0241  
 phsales@phihong.com.tw  
 www.phihong.co.jp



### Phihong Vietnam

Lot CN5 An Duong Industrial Zone, Hong Phong Commune, An Duong County, Hai Phong City, Vietnam  
 Tel : +84-22588-31557