



## 10W Compact Fixed Blade Charger with DC Cord



### Features

- Level VI Efficiency
- OVP, SCP, OCP
- Class B EMI

### Applications

- MPEG Players
- PDAs
- Personal Electronics
- Digital Cameras

### Safety Approvals

- UL 60950-1
- UL 62368-1

### Mechanical Characteristics

- Length: 71.2mm (2.80in)
- Height: 52.5mm (2.07in)
- Width: 34mm (1.34in)
- Weight: 72.7g (2.56oz)

### Output Specifications

Model	Prong Style	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max)	Regulation		Output Cable
			Min.	Max.		Line	Load	
AA10A-050A-R	US	5V	0A	2A	200mV	±1%		Barrel
AA10A-050A(M)-R <sup>2</sup>	US	5V	0A	2A	200mV	±1%		Micro-B

#### Notes:

1. Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uF aluminum electrolytic capacitor and a 0.1uF ceramic capacitor.
2. The charging scheme: Data Lines (Pins 2 and 3) Shorted.

**INPUT:****AC Input Voltage Range**

90 to 264VAC

**AC Input Voltage Rating**

100 to 240VAC

**AC Input Frequency**

47-63Hz

**AC Input Current**

0.3A(RMS) max. @115Vac/60Hz

**In-Rush Current**

60A max @230Vac/50Hz, 25°C

**Leakage Current**

20uA max. @254Vac50Hz

**No-Load Power Saving**

≤75mW @230Vac/50Hz, no load

**OUTPUT:****Power**

10W Maximum

**Efficiency<sup>2</sup>**

DOE Level VI

**ENVIRONMENTAL:****Temperature**

Operation 0°C to +40°C

Non-operation -20°C to +85°C

Humidity ~85%

**EMI**

Complies with FCC part 15 Class B

Complies with EN55032 Class B

**Immunity**

ESD: IEC61000-4-2

Radio-frequency: IEC61000-4-3

Electrical fast transients: IEC61000-4-4

Surge: IEC61000-4-5

Radio frequency continuous: IEC61000-4-6

Power frequency magnetic: IEC61000-4-8

Voltage Dips: IEC61000-4-11

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

Primary to Secondary: 3000VAC, 10mA, 1min

**Insulation Resistance**

Primary to Secondary: 10M ohm. 500Vdc, 1min

**FEATURES****Over-voltage Protection**

Output voltage shall not exceed 9V

**Short-circuit Protection**

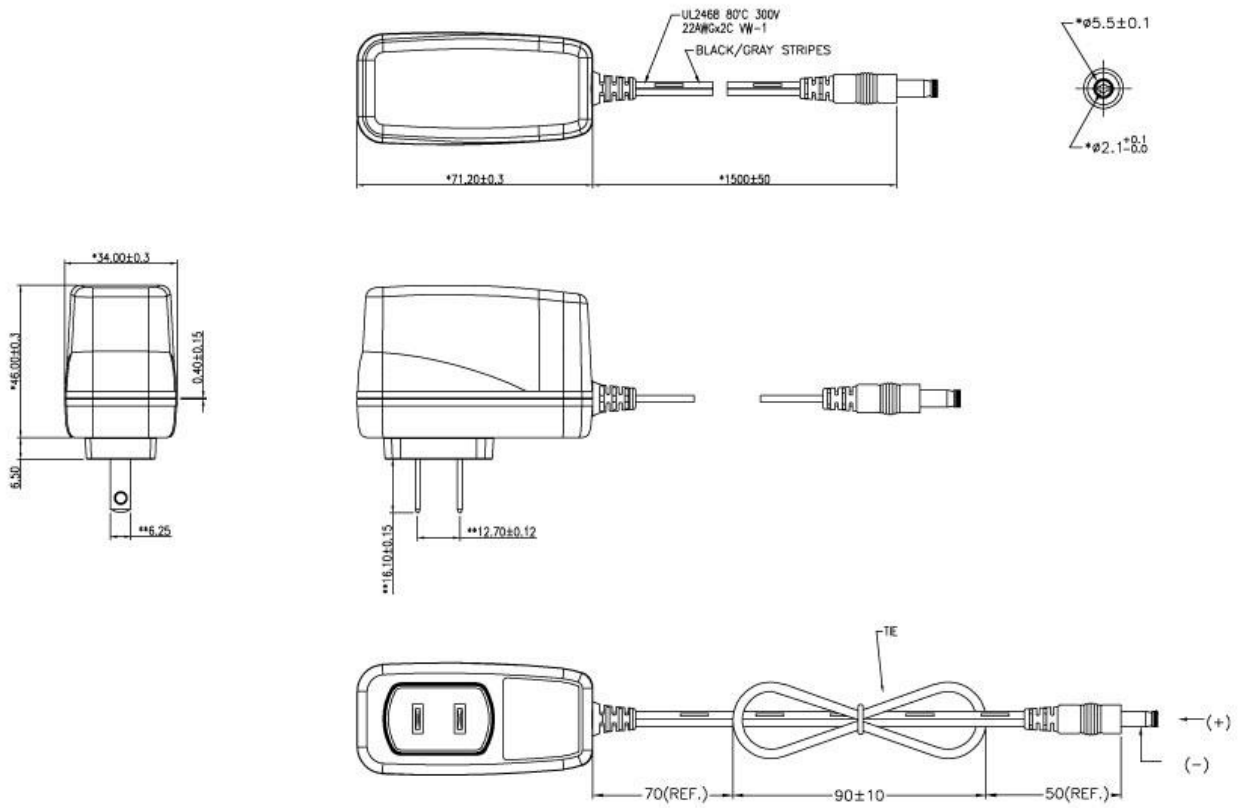
Auto recovery and no component damage

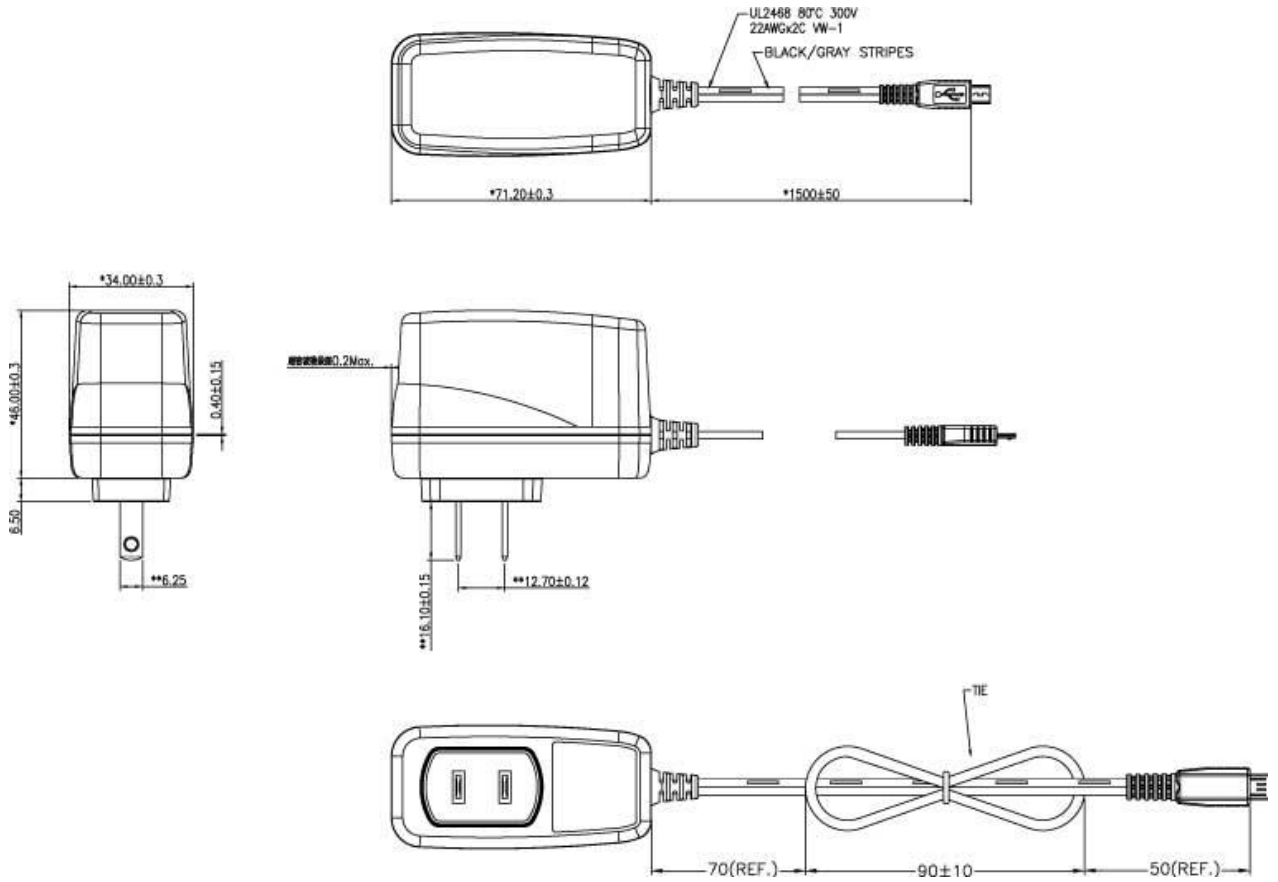
**Over-current Protection**

2.2A

## Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in







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

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://www.phihong.com)

*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*