



## 2.75W Compact Fixed Blade Charger with DC Cord



### Features

- North America Fixed Blade AC Input
- Limited Power Source
- Level VI Efficiency
- Class B EMI
- Standard Barrel Connector

### Applications

- MPEG Players
- Personal Electronics
- PDAs
- Digital Cameras

### Safety Approvals

- cUL/UL 62368-1

### Mechanical Characteristics

- Length: 39.4mm (1.55in)
- Height: 21.0mm (0.83in)
- Width: 43mm (1.69in)
- Weight: 48g (1.69oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max)	Regulation	
		Min.	Max.		Line	Load
AA03A-050A-R	5V	0A	0.55A	150mV	±5%	
AA03A-075A-R	7.5V	0A	0.366A	150mV	±5%	
AA03A-090A-R	9V	0A	0.306A	150mV	±5%	
AA03A-120A-R	12V	0A	0.229A	200mV	±5%	

Notes:

1. Measurements shall be made with an oscilloscope with 20MHz (or over) Bandwidth. Outputs should be bypassed at a connector with a 0.1µF ceramic capacitor and a 22µF electrolytic capacitor.

**INPUT:**

**AC Input Voltage Rating**  
100 to 240VAC

**AC Input Voltage Range**  
90 to 264VAC

**AC Input Current**  
100mA (RMS) max.

**Leakage Current**  
0.25mA maximum

**No-Load Power Saving**  
<75mW @115VAC/230VAC, after burn in  
15min

**OUTPUT:**

**Power**  
2.75W Maximum

**Efficiency<sup>2</sup>**  
DOE Level VI

**ENVIRONMENTAL:****Temperature**

Operation	0 to +40°C
Non-operation	-25 to +75°C
Humidity	10 to 90%

**Immunity**

ESD:	EN61000-4-2. Level 4
Surge:	EN61000-4-5. Level 4
Harmonic:	EN61000-3-2
Flicker:	EN61000-3-3

**EMI**

Complies with FCC Class B  
Complies with EN55032 Class B

**Dielectric Withstand (Hi-pot) Test**  
Primary to Secondary: 3000VAC, 10mA for 60s

**Insulation Resistance**  
Primary to Secondary: >7m OHM 500vdc

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

5V model – 7.5V max  
7.5V models – 10V max  
9V model – 12V max  
12V model – 18V max

**Short-circuit Protection**

The output can be shorted without damage.

**DC Cord**

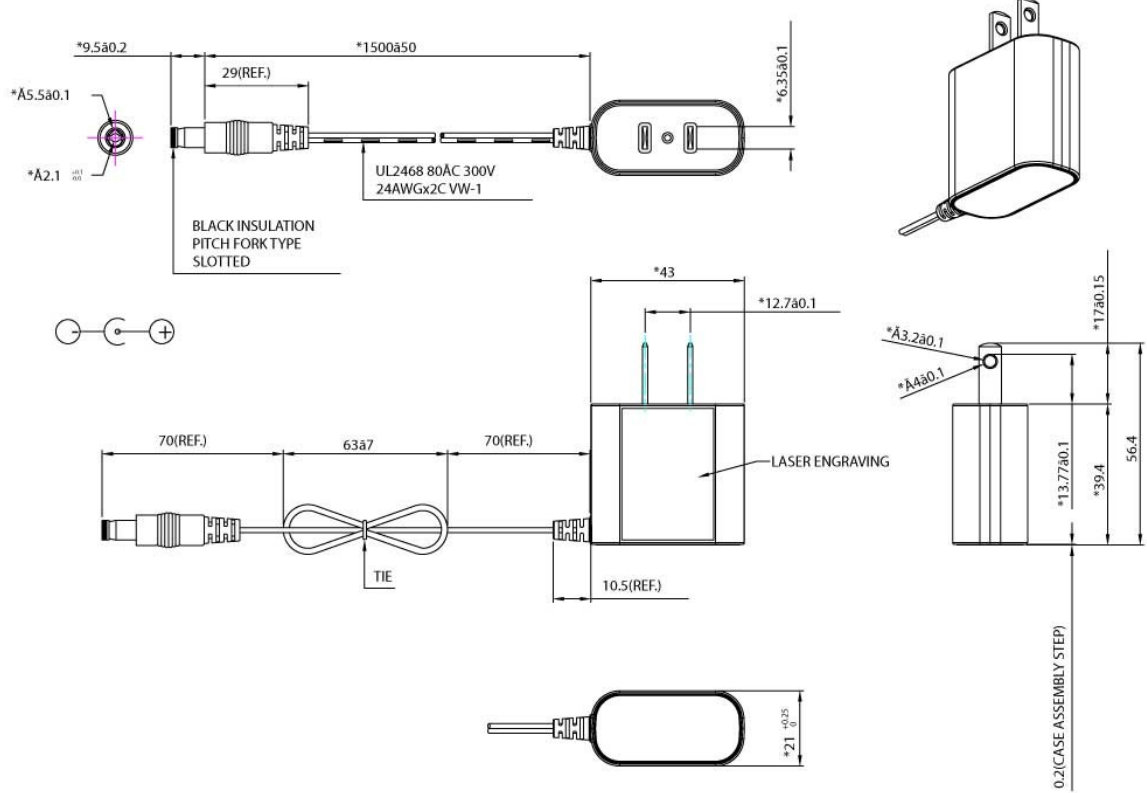
1500mm

**DC Output Connector**

5.5mm x 2.1mm x 9.5 center positive barrel

**Notes:**

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



PRELIMINARY

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

**AA03A-050A-R  
AA03A-075A-R  
AA03A-090A-R  
AA03A-120A-R**

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NOTE: This model has/The models in this products 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.