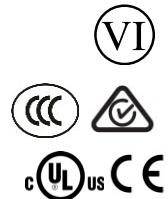




## 2.75W Compact Fixed Blade USB Charger



### Features

- Fixed Blade
- DOE Level VI Compliance
- No Y Caps
- Low Cost
- CoC Tier 2 Compliance

### Applications

- Portable Electronics
- Personal Electronics

### Safety Approvals

- cUL/UL 62368-1<sup>1</sup>
- CE<sup>2</sup>
- CB IEC62368-1<sup>2</sup>
- RCM<sup>3</sup>
- CCC<sup>4</sup>

### Mechanical Characteristics – US Models

- Length: 42mm (1.65in)
- Width: 43mm (1.69in)
- Height: 21.0mm (0.83in)
- Weight: 28g (0.99oz)

### Mechanical Characteristics – China Models

- Length: 42.5mm (1.67in)
- Width: 43.5mm (1.71in)
- Height: 21.0mm (0.83in)
- Weight: 28g (0.99oz)

### Mechanical Characteristics – EU Models

- Length: 60.2mm (2.37in)
- Width: 43mm (1.69in)
- Height: 21.0mm (0.83in)
- Weight: 30g (1.06oz)

### Mechanical Characteristics – UK Models

- Length: 49mm (1.93in)
- Width: 48.8mm (1.92in)
- Height: 27.5mm (1.08in)
- Weight: 36g (1.27oz)

### Mechanical Characteristics – AUS Models

- Length: 53.7mm (2.11in)
- Width: 43mm (1.69in)
- Height: 25.0mm (0.98in)
- Weight: 36g (1.27oz)

## Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>5</sup> P-P (max)	Regulation		Prong Style
		Min.	Max.		Line	Load	
AQ03A-050A-R	5V	0A	0.55A	150mV	±5%	±5%	US
AQ03C-050A-R <sup>6</sup>	5V	0A	0.55A	150mV	±5%	±5%	China
AQ03E-050A-R	5V	0A	0.55A	150mV	±5%	±5%	EU
AQ03K-050A-R	5V	0A	0.55A	150mV	±5%	±5%	UK
AQ03S-050A-R	5V	0A	0.55A	150mV	±5%	±5%	AUS

Notes:

1. AQ03A-050A-R model only
2. AQ03E-050A-R and AQ03K-050A-R models only
3. AQ03S-050A-R model only
4. AQ03C-050A-R model only
5. Measured after 10 minutes with by-pass capacitors 0.1uf // 10uf at output connector terminal and oscilloscope set at 20MHz.
6. Special order MOQ

**AQ03X Characteristics<sup>1</sup>****WWW.PHIHONG.COM****INPUT:****AC Input Voltage Rating**  
100 to 240VAC**AC Input Voltage Range**  
90 to 264VAC**AC Input Frequency Range:**  
47-63Hz**AC Input Current**  
0.1A(RMS) max.**Leakage Current**  
20uA max @ 264VAC/63Hz**Input Power Saving**  
<75mW @115VAC/230VAC)**OUTPUT:****Power**  
2.75W Maximum**Efficiency<sup>2</sup>**  
DOE Level VI  
COC V5 Tier 2**ENVIRONMENTAL:****Temperature**

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

**Immunity**

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

**Emissions**

Complies with FCC Class B
Complies with EN55022 Class B

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

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

**Insulation Resistance**

Primary to Secondary: >7M ohm 500VDC

**FEATURES:****Short Circuit Protection**

The output can be shorted permanently without damage

**Over Voltage Protection**

<7.5V

**DC Output Connector**

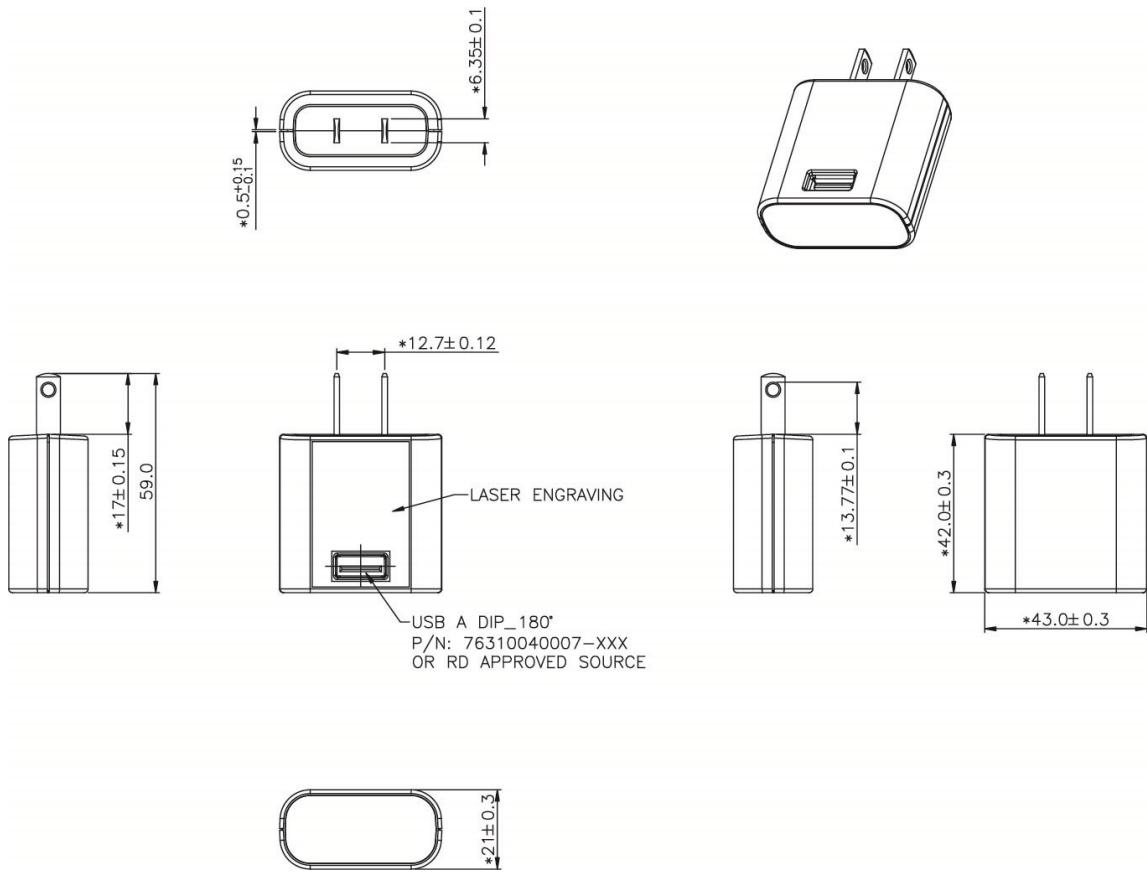
USB A

**Notes:**

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

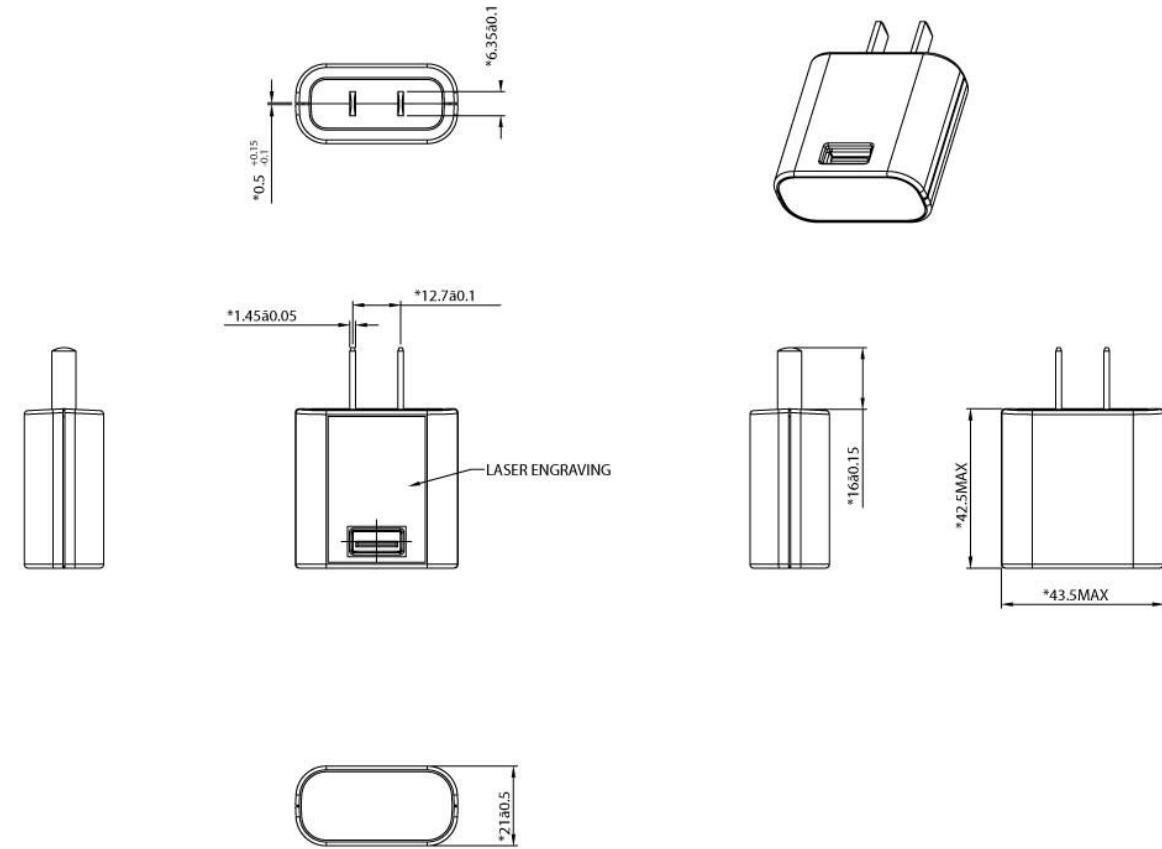
## AQ03A Outline

Dimension Diagram Unit: mm



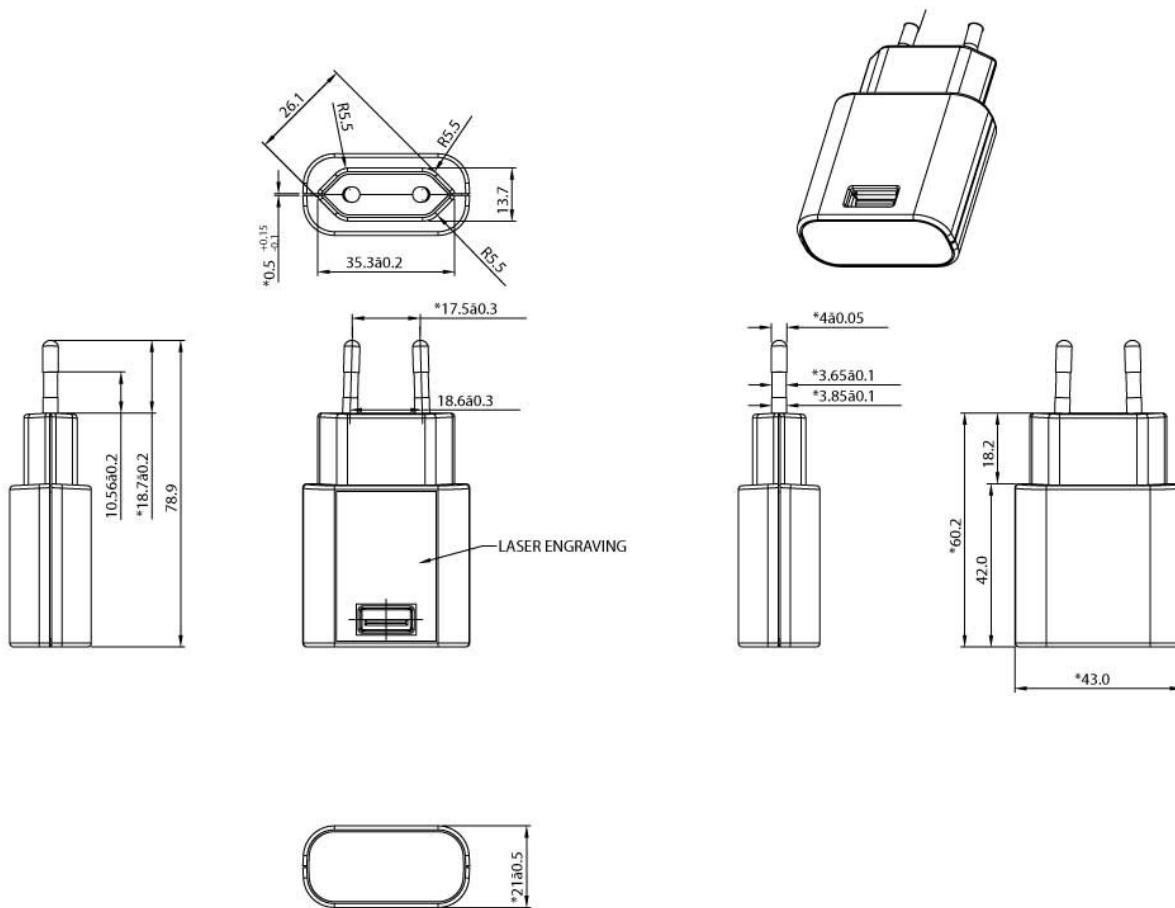
## AQ03C Outline

Dimension Diagram Unit: mm



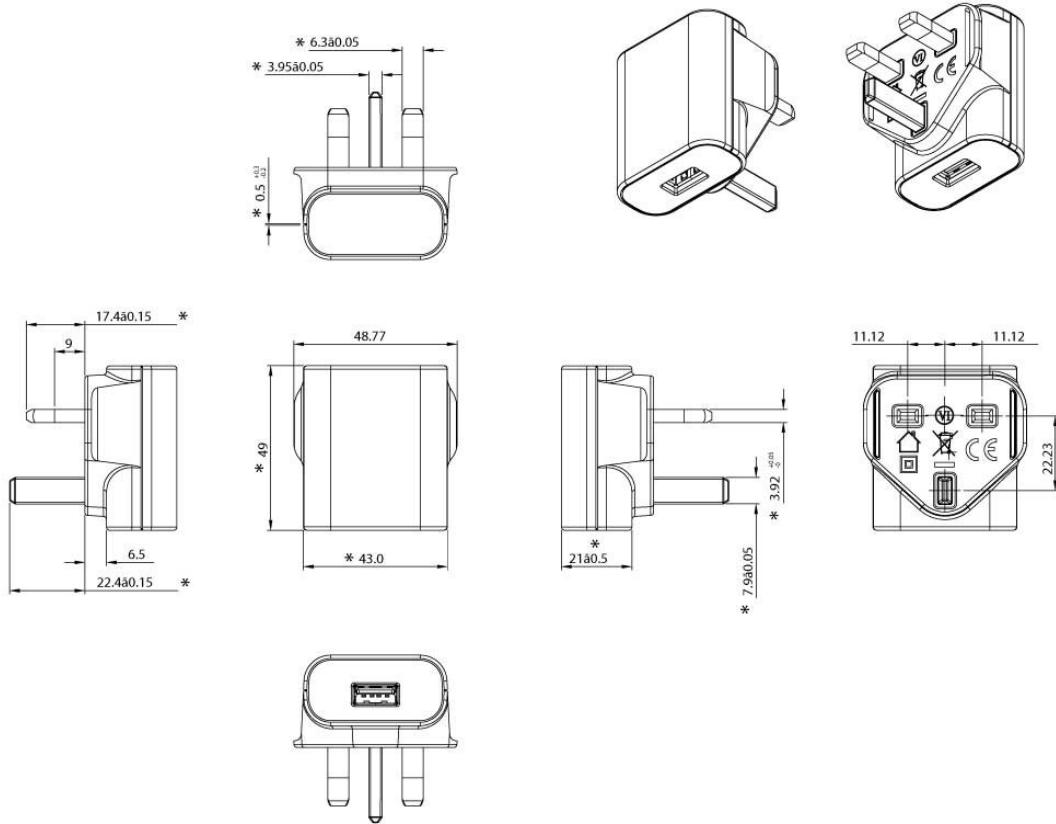
## AQ03E Outline

Dimension Diagram Unit: mm



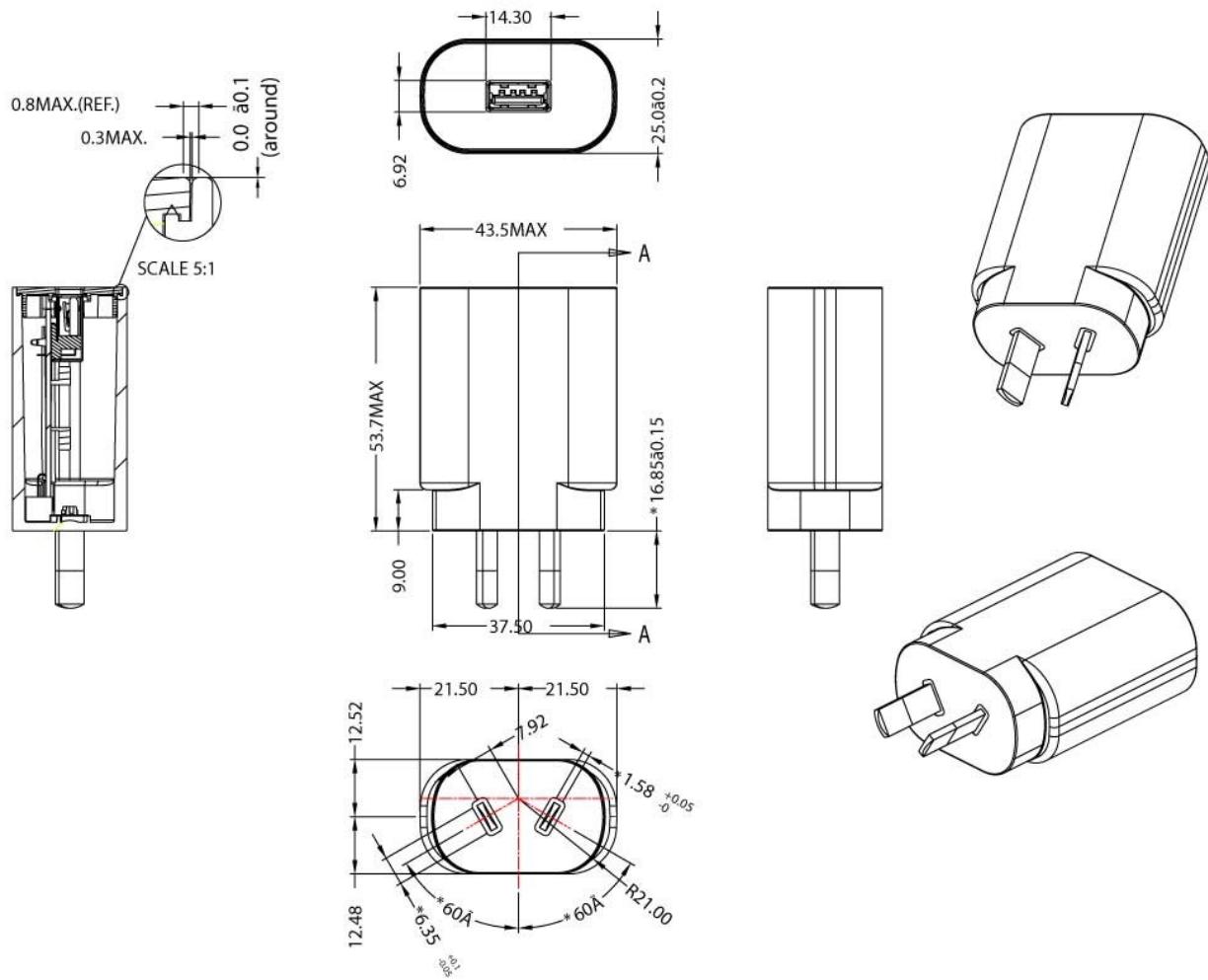
## AQ03K Outline

Dimension Diagram Unit: mm



## AQ03S Outline

## Dimension Diagram Unit: mm



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

**AQ03A-050A-R**

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

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