



## 5W Compact Fixed Blade Power Adapter (North America)



### Features

- Fixed Blade
- Halogen Free
- Level VI Compliant
- Low Cost
- Low Profile

### Applications

- Smart Phones
- PDAs
- Personal Electronics
- Digital Cameras

### Safety Approvals

- UL/cUL62368-1
- PSE

### Mechanical Characteristics

- Length: 39.5mm (1.56in)
- Width: 33.5mm (1.32in)
- Height: 20.8mm (0.82in)
- Weight: 25g (.88oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (Max)	Regulation		Case Color
		Min.	Max.		Line	Load	
PSAA05A-050QL6-R	5V	0A	1A	200mV	±5%		Black
PSAA05A-050QL6W-R <sup>2</sup>	5V	0A	1A	200mV	±5%		White

Notes:

1. Measured after 10 minutes with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20MHz
2. Special order quantity. Built-to-order

**INPUT:**

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

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

**AC Input Frequency**  
47 to 63Hz

**Input Current**  
0.2A(RMS) max at 115VAC  
0.15A (RMS) max at 230VAC

**Leakage Current**  
.025mA maximum

**OUTPUT:**

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

**No-Load Power Saving**  
<75mW

**Hold-up Time**  
10mS min. @115VAC/230VAC and max. load

**Short Circuit Protection**  
Auto-restart

**Over-voltage Protection**  
<7.5V peak, auto restart

**Over Current Protection**

1.5A max@AC90V~264V

**ENVIRONMENTAL:****Temperature**

Operation	-10 to +45°C
Non-operation	-40 to +70°C
Humidity	5 to 95%

**Immunity**

ESD:	EN61000-4-2, Level 3
RS:	EN61000-4-3, Criteria A
CS:	EN61000-4-3, Criteria A
EFT:	EN61000-4-4, Criteria B
Surge:	EN61000-4-5, Level 3, Criteria B
Radio Frequency Fields	EN61000 4-6
DIP:	EN61000-4-11
RSE:	EN 301511

**Emissions**

Complies with FCC Part 15 Class B  
Complies with EN55022 Class B  
ANSI C63.4 Class B  
VCCI Class II

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

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

**Insulation Resistance**

Primary to Secondary: 10M ohm 500VDC

**MTBF**

100K hours min at 230VAC, max load(25°C)

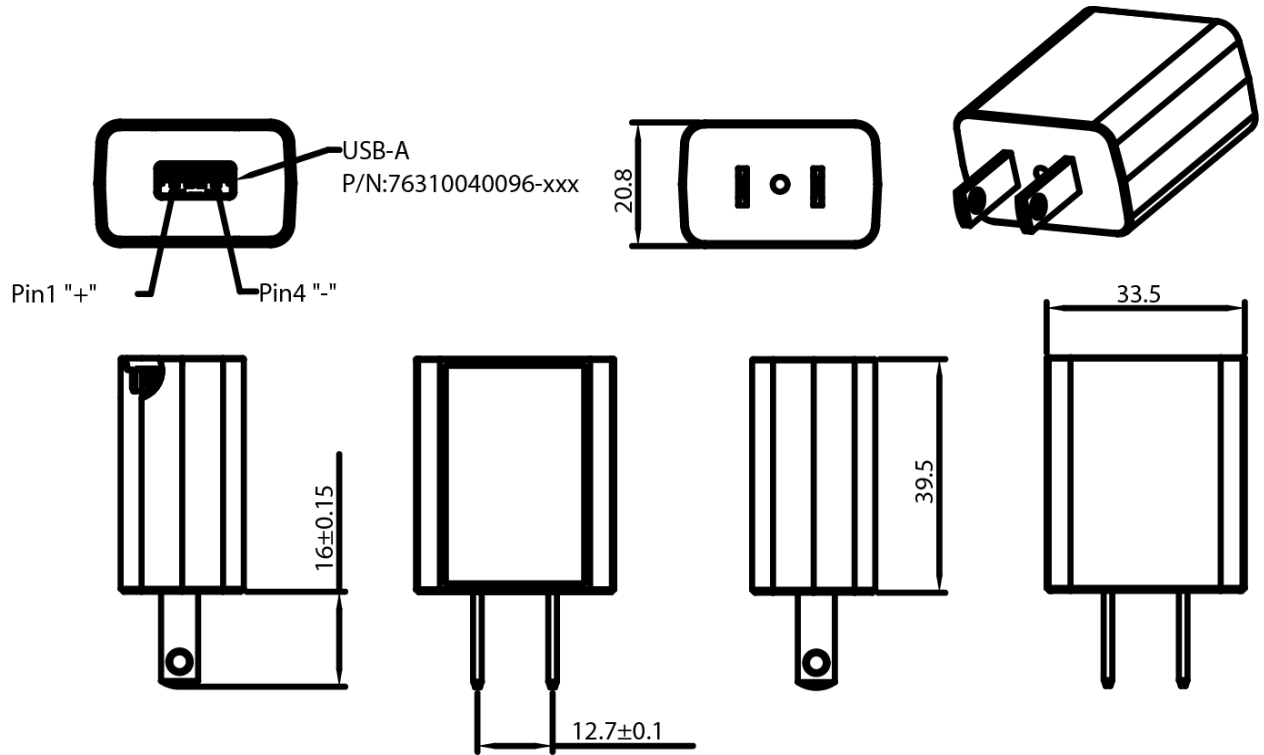
**Output Connector**

USB CONN, 4PIN  
D+ D- shorted, compliant to USB BC1.2

**Notes:**

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

Dimension Diagram Unit: mm



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

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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.