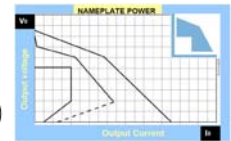




## 2.0 Watt – Unregulated Wall Plug PLA02A Linear Replacement



### Features

- EISA Level IV Compliant
- 90 – 264 VAC Input Range
- High Efficiency
- Light Weight
- Lower Cost than Regulated
- Zero Minimum Load
- Double Insulated

### Applications

- Wireless Communications
- Cordless Head Set
- Blue Tooth Device Charger
- Cell Phone

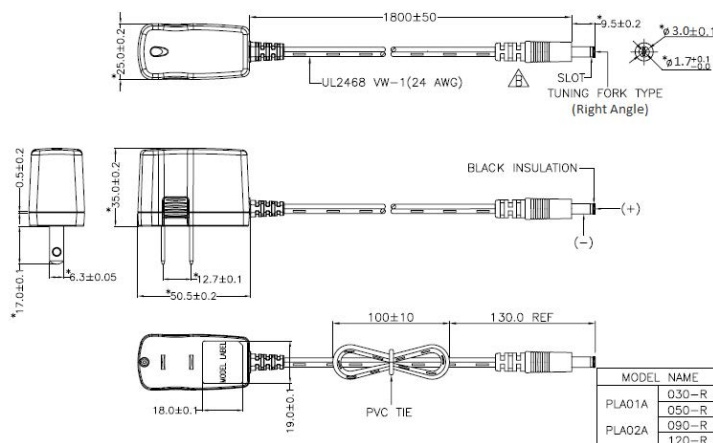
### Safety Approvals

- UL / cUL 60950-1

### Mechanical Characteristics

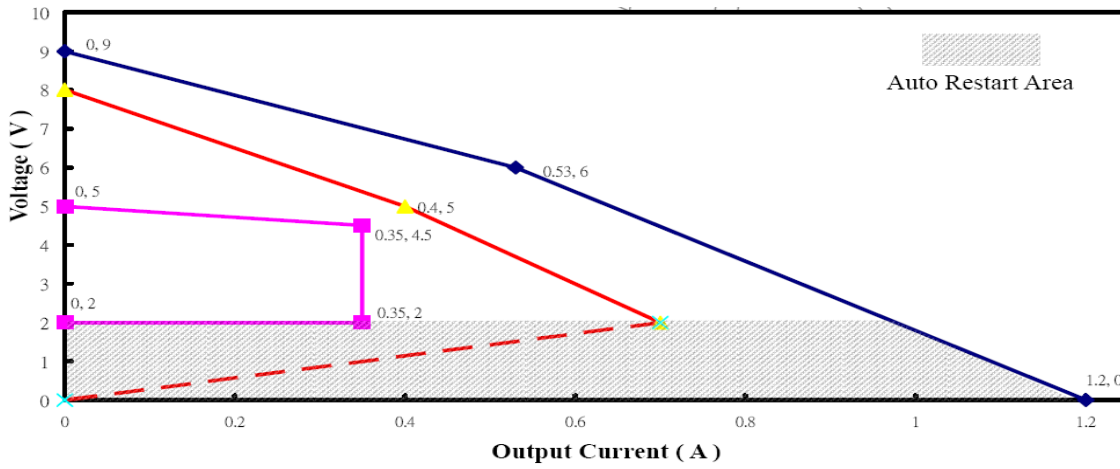
- Length: 50.5 mm (2.0 in)
- Width: 25 mm (0.98 in)
- Height: 35 mm (1.38 in)
- Weight: 58 g ( 2.05 oz)

### Dimension Diagram Unit: mm (inch)

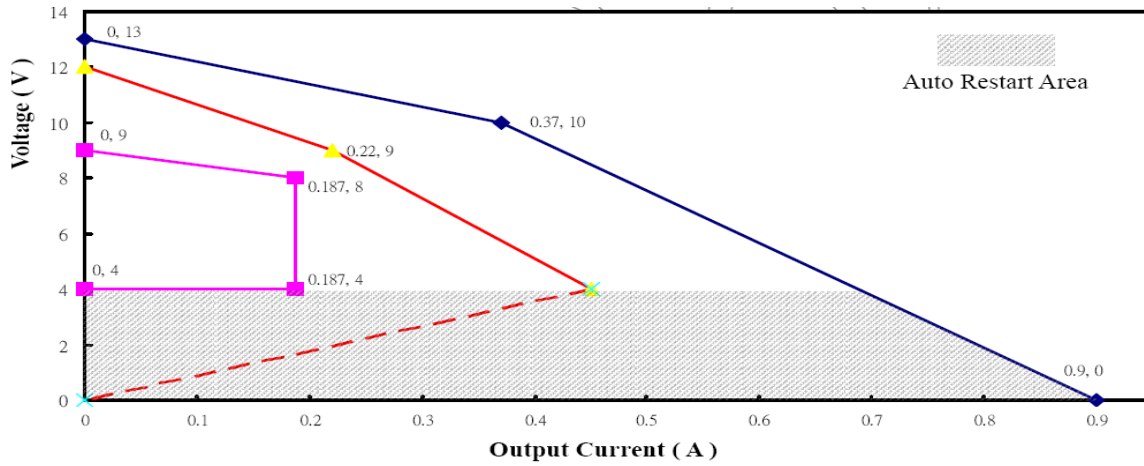


Model	Nameplate Voltage
PLA02A-050-R	5.0 V
PLA02A-090-R	9.0 V
PLA02A-120-R	12.0 V

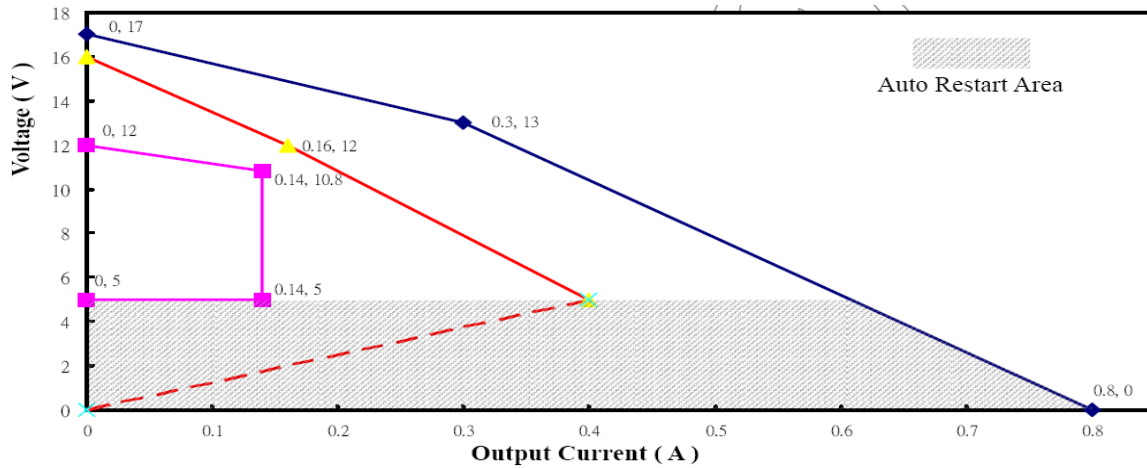
PLA02A-050-R



PLA02A-090-R



PLA02A-120-R



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

90 to 264VAC

**AC Inrush Current**

40A max @ 240VAC, 25°C

**Input Power Saving**

&lt;0.3W max @ 120/240VAC, no load

California Energy Commission Compliant,  
Level IV**Efficiency**

≥ 56.23%

**OUTPUT:****Ripple (1)**

250 mVp-p

**Over Voltage Protection**

5VDC: OVP shall not exceed 15V Max

9VDC: OVP shall not exceed 18V Max

12VDC: OVP shall not exceed 24V Max

**Short Circuit Protection**

Auto Recovery

**ENVIRONMENTAL:****Operation Temperature (Convection)**

0°C ~ 40°C

**Storage Temperature**

-40°C ~ 85°C

**Humidity**

90% RH Max

**Emissions**

FCC Class B

EN55022 class B

Note: (1) Measured after 10 minutes with by-pass capacitors 0.1uf / 10uf at output connector terminal and oscilloscope set at 20 MHz.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications.

**Immunity**

EN61000-4-2, Level 3

EN61000-4-5, Level 3

**General****Leakage Current**

≤ 10 uA max

**Dielectric Withstand (Hi-pot)**

3KVAC, Primary to Secondary

**MTBF (Full Load, 25°C)**

100K Hrs. min. at max load, 25°C ambient and 120VAC

**DC Output Connector**

2.1 mm x 5.5 mm Center Positive

**AC Input Clip**

Fixed US blade