



## 12W Adapter Style Constant Current LED Driver PDA012A Wall Plug LED Power Supply



### Features

- Low Profile Design
- OVP, IOCP, Over-Load and Short-Circuit Protection
- Power Factor Correction
- Low Cost Fixed Wall Plug
- IP20 Rating
- SELV Compliant
- UL 8750 Compliant
- Very Low Leakage
- Class 2 Output

### Applications

- Indoor Lighting
- Floor Lamps

### Safety Approvals (PENDING)

- cUL/UL

### Mechanical Characteristics

- Length: 71.5mm (2.81in)
- Width: 33.75mm (1.33in)
- Height: 46mm (1.81in)
- Weight: 85g (3.00oz)

### Output Specifications

| Model          | DC Output Voltage |      |      | Output Current | Output Power |
|----------------|-------------------|------|------|----------------|--------------|
|                | Min.              | Typ. | Max. |                |              |
| PDA012A-350S-R | 17V               | -    | 34V  | 350mA          | 12W          |
| PDA012A-700S-R | 9V                | -    | 17V  | 700mA          | 12W          |
| PDA012A-1A0S-R | 6V                | -    | 12V  | 1000mA         | 12W          |
| PDA012A-1A5S-R | 6V                | -    | 8V   | 1500mA         | 12W          |

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

90 to 132VAC

**Nominal AC Input Voltage**

110 to 120VAC

**Leakage Current**

&lt;0.25mA at 110VAC and maximum load

**Maximum Input Current** $\leq 500\text{mA}$  at full load, 120VAC**No-Load Power Draw**

&lt;300mW at 115VAC, 60Hz

**OUTPUT:****Total Output Power**

6W maximum

**Efficiency** $\geq 77\%$  at nominal input voltage, full load

Meets requirements for Level V efficiency marking

**Power Factor** $\geq 0.9$  at nominal input voltage, full load**ENVIRONMENTAL:**

Operating Temperature 0 to +40°C

Storage Temperature -40 to +85°C

Operating Humidity

10 to 95%

**Ingression Protection**

IP20; plastic housing

**Dimension Diagram Unit:mm****EMC**

FCC Part 15 Class B

**Immunity**

EN61000-4-2

EN61000-4-4

EN61000-4-5

EN61000-4-11

**Isolation Test**

Primary to Secondary: 3000VAC, &lt;10mA, 1 minute

**Insulation Resistance**

Primary to Secondary: 500VDC, &gt;5M ohm, 1 minute

**FEATURES:****Input Current Protection**

The input power line will be fused with a 2A/250V time-lag fuse

**Short Circuit**

Auto restart without damage

**Output Overvoltage Protection**

Output should not exceed voltage limits, auto shut down

**AC Input**

Fixed Blade (North America)

**DC Output**

2.1mm x 5.5mm x 9.5mm center positive barrel

**Lifespan**

20K Hours minimum at max load

