



## 6W LED Driver with 700mA Constant Current PDA006A LED Power Supply



### Features

- Low Profile Design
- OVP, OCP, Over-Load and Short-Circuit Protection
- Power Factor Correction
- Brownout/Brownout Recovery
- IP20 Rating
- RoHS Compliant
- Halogen Free
- Very Low Leakage
- Constant Current

### Applications

- Indoor Lighting
- Architectural Lighting

### Safety Approvals

- CQC
- SAA
- TUV
- C-Tick
- CE
- CCC

### Mechanical Characteristics

- Length: 58mm (2.28in)
- Width: 35mm (1.38in)
- Height: 20.5mm (0.81in)
- Weight: 40g (1.41oz)

### Output Specifications

| Model          | DC Output Voltage Range |      | Output Current Ripple | Output Current Range |       |       | Max Power |
|----------------|-------------------------|------|-----------------------|----------------------|-------|-------|-----------|
|                | Min.                    | Max. |                       | Min.                 | Typ.  | Max.  |           |
| PDA006A-700C-H | 2.5V                    | 7.5  | <1A                   | 650mA                | 700mA | 750mA | 5.6W      |

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**INPUT:**

**AC Input Voltage**  
211 to 264VAC

**Nominal AC Input Voltage**  
220 to 240VAC

**Leakage Current**  
<0.5mA at 230VAC and maximum load

**Maximum Input Current**  
≤100mA at full load, 211VAC

**AC Inrush Current**  
≤20A at 230VAC and maximum load

**OUTPUT:**

**Total Output Power**  
5.6W maximum

**Efficiency**  
≥70% at nominal input voltage, full load

**Power Factor**  
≥0.7 at nominal input voltage, full load

**Ripple**  
<1A

**Turn-on/Turn off delay Time**  
0.5 seconds maximum

**ENVIRONMENTAL:**

|                       |              |
|-----------------------|--------------|
| Operating Temperature | -20 to +50°C |
| Storage Temperature   | -20 to +70°C |

|                    |           |
|--------------------|-----------|
| Operating Humidity | 10 to 95% |
| Storage Humidity   | 05 to 95% |

**Warranty**  
3 Years

**Lifespan**  
20K Hours minimum at max load and ambient 50°C

**EMC**

EN55015, FCC 47 Part 18, EN55022 Class B

**Immunity**

EN61000-4-2  
EN61000-4-5  
EN61000-3-2 Class C  
EN61000-3-3

**Isolation Test**

Primary to Secondary: 3750VAC, <5mA, 1 minute

**Insulation Resistance**

Primary to Secondary: 500VDC, >5M ohm, 1 minute

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

The input power line will be fused with a 1W/3.9Ohm fuse resistor

**Short Circuit**

Auto restart without damage

**Output Overvoltage Protection**

Output should not exceed 12V, auto shut down

**Open Circuit Protection**

Once the circuit is opened, the output voltage should be less than 12V at nominal AC input conditions

**Input / Output Connection**

|                      |                |
|----------------------|----------------|
| 2-pin terminal block |                |
| Position             | Terminal Color |
| Line                 | Brown          |
| Neutral              | Blue           |
| Vout+                | Red            |
| Vout-                | Black          |

**Input / Output Wires**

16~18AWG solid or stranded wires

**Ingression Protection**

IP20; plastic housing

**Mounting Provision**

Screw mounting, accessible without opening unit

