



6W LED Driver with 700mA Constant Current PDA006B LED Power Supply



Features

- Low Profile Design
- OVP, OCP, Over-Load and Short-Circuit Protection
- Power Factor Correction
- Brownout/Brownout Recovery
- Halogen Free
- IP20 Rating
- SELV Compliant
- UL 8750 Compliant
- Very Low Leakage
- Constant Current
- RoHS Compliant

Applications

- Indoor Lighting
- Architectural Lighting

Safety Approvals

- cUL/UL
- PSE

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.	
PDA006B-700C-H	2.5V	7.5	<1A	650mA	700mA	750mA	5.6W

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INPUT:**AC Input Voltage**

90 to 132VAC

Nominal AC Input Voltage

100 to 127VAC

Leakage Current

<0.5mA at 120VAC and maximum load

Maximum Input Current $\leq 100\text{mA}$ at full load, 90VAC**AC Inrush Current** $\leq 20\text{A}$ at 120VAC and maximum load**OUTPUT:****Total Output Power**

5.6W maximum

Efficiency $\geq 70\%$ 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: 3000VAC, <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
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Line	Brown
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Neutral	Blue
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Vout+	Red
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Vout-	Black
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Input / Output Wires

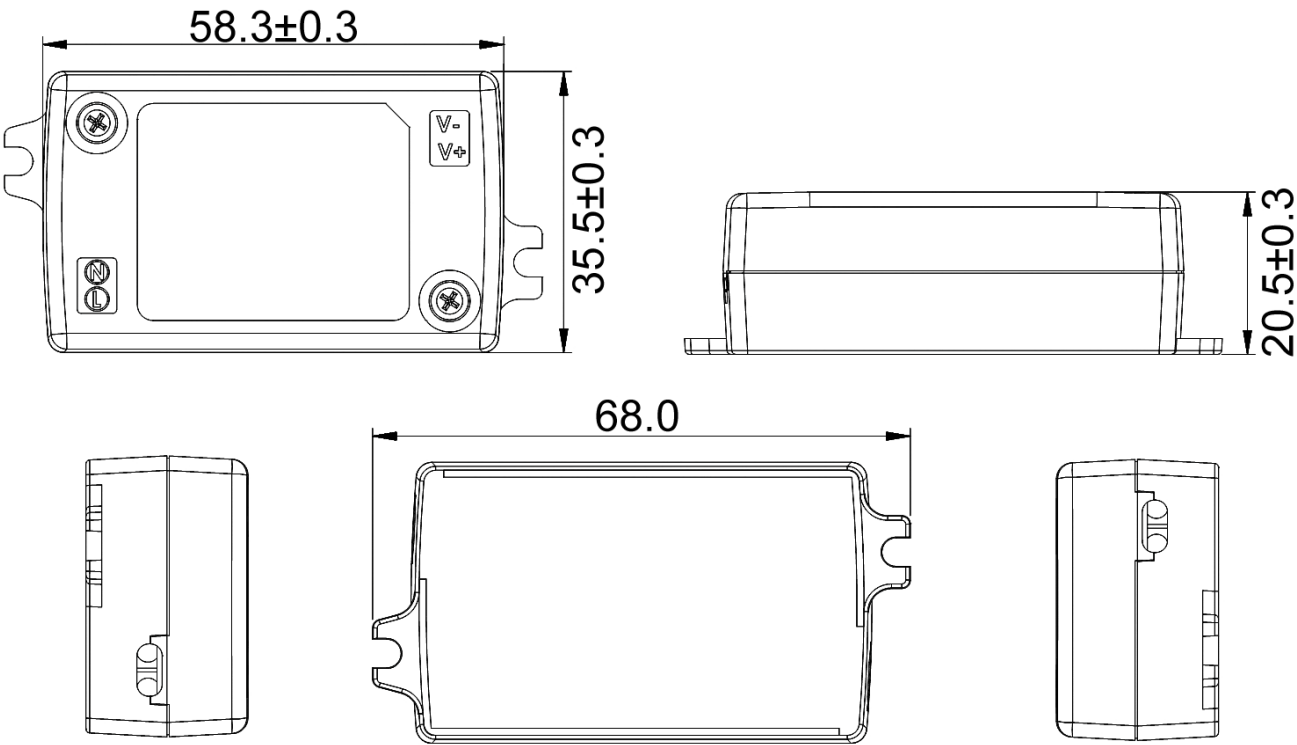
16~18AWG solid or stranded wires

Ingression Protection

IP20; plastic housing

Mounting Provision

Screw mounting, accessible without opening unit



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