



**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
≤100mA at full load, 90VAC

AC Inrush Current
≤20A at 120VAC 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: 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
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

