



10W LED Driver with 700mA Constant Current PDA010B LED Power Supply for Indoor Lighting



Features

- Constant Current
- OVP, OCP, Short/Open Circuit Protection
- IP20 Rating
- UL8750 Compliant
- SELV Compliant
- Brownout/Brownout Recovery
- Low Profile Design

Applications

- Indoor Lighting
- Architectural Lighting

Safety Approvals

- cUL/UL
- PSE

Mechanical Characteristics

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)
- Height: 21mm (0.83in)
- Weight: 85g (3oz)

Output Specifications

Model	DC Output Voltage Range			Output Current Range			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA010B-700C	7.5V	-	12V	650mA	700mA	750mA	9W

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INPUT:**AC Input Voltage**

90 to 132VAC

Nominal AC Input Voltage

100 to 127VAC

Leakage Current

0.5mA maximum at 110VAC

Maximum Input Current $\leq 160\text{mA}$ at 100VAC**OUTPUT:****Total Output Power**

9W absolute maximum

Efficiency

70% minimum at full load, nominal AC input

Power Factor ≥ 0.95 at full load, nominal AC input**Ripple** $< 1\text{A}$ **Turn-on/off Delay Time**

0.5ms maximum at nominal AC power on

ENVIRONMENTAL:

Operating Temperature -20 to +50°C

Storage Temperature -40 to +85°C

Operating Humidity 10 to 95%

Storage Humidity 05 to 95%

Warranty

3 Years

Ingression Protection

IP20

EMC

EN55015, FCC 47 Part 15, EN55022 Class B

Immunity

IEC61000-4-2

IEC61000-4-5

IEC61000-3-2 Class C

IEC61000-3-3

Isolation Test (HI-POT)

Primary to secondary: 3750VAC for 1 minute, 10mA

Insulation ResistancePrimary to secondary: $> 5\text{M OHM}$ 500VDC, 1 minute**FEATURES:****Input Over Current Protection**

The input power line will be fused with a 1.6A fuse

Short Circuit Protection

The Driver will withstand a short circuit across the outputs without damage

Output Over Voltage Protection

The output shall be protected (latched) from over voltage

Open Circuit Protection

Once the circuit is opened, the output voltage should be less than 14.4V at nominal AC input conditions.

Lifetime

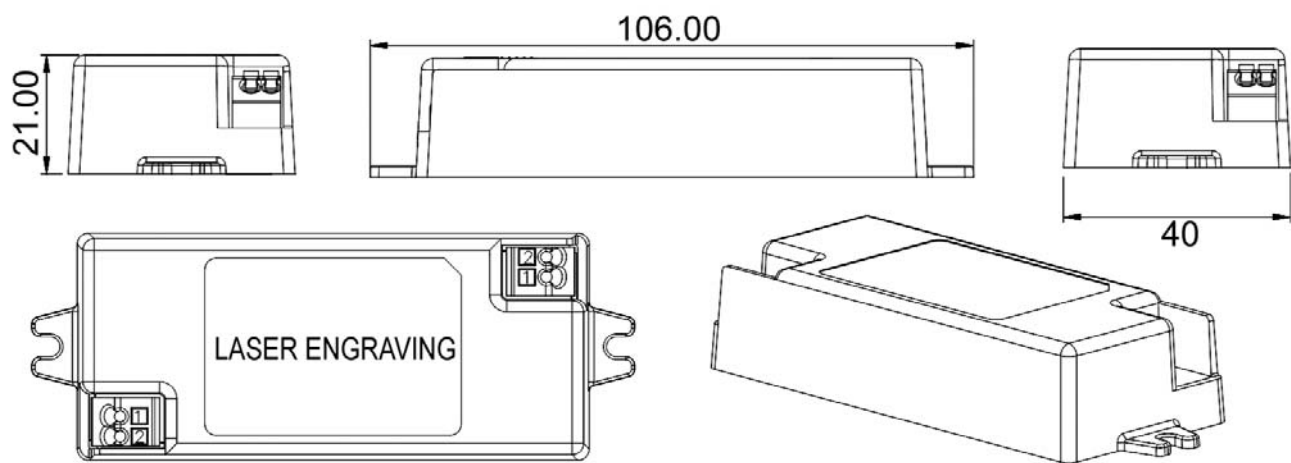
20K Hours minimum

Input / Output Connection

2-pin terminal block

Input / Output Wires (Solid or Stranded)

Position	Terminal Color	Specification
Line	Brown	AWG10~24
Neutral	Blue	AWG10~24
Vout+	Red	AWG10~24
Vout-	Black	AWG10~24



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