



**10W LED Driver with 700mA Constant Current  
PDA010A LED Power Supply for Indoor Lighting**



**Features**

- Constant Current
- OVP, OCP, Short/Open Circuit Protection
- IP20 Rating
- RoHS Compliant
- Limited Power Source
- Brownout/Brownout Recovery
- Low Profile Design

**Applications**

- Indoor Lighting
- Architectural Lighting

**Safety Approvals**

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

**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.	
PDA010A-700C	7.5V	-	12V	650mA	700mA	750mA	9W

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**INPUT:**

**AC Input Voltage**  
211 to 264VAC

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

**Leakage Current**  
0.5mA maximum at 230VAC

**Maximum Input Current**  
≤70mA at 230VAC

**OUTPUT:**

**Total Output Power**  
9W absolute maximum

**Efficiency**  
70% minimum at full load, nominal AC input

**Power Factor**  
≥0.9 at full load, nominal AC input

**Ripple**  
<1A

**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 18, 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 Resistance**

Primary to secondary: >5M 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 16V 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

