



**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

