



30W LED Driver with Constant Current 700mA PDA030A LED Power Supply for General Lighting



Features

- Constant Current
- Limited Power Source
- Low Profile design
- IP20 Rating
- RoHS Compliant
- Brownout/Brownout Recovery
- OVP, OCP, Short/Open Circuit Protection
- Wide Operating Temperature Range

Applications

- General Lighting
- Indoor Lighting

Safety Approvals

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

Mechanical Characteristics

- Length: 132mm (5.2in)
- Width: 40mm (1.6in)
- Height: 21mm (0.8in)
- Weight: 120g (4.2oz)

Output Specifications

Model	DC Output Voltage Range			Output Current Range			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA030A-700C	15V	-	42V	650mA	700mA	750mA	31.5W

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INPUT:

AC Input Voltage
211 to 264VAC

Nominal AC Input Voltage
230 to 240VAC

Leakage Current
0.5mA maximum

Maximum Input Current
≤0.2A at 230VAC

AC Inrush Current
≤30A at full load, 230VAC

OUTPUT:
Total Output Power
30W Typical

Efficiency
82% minimum

Power Factor
≥0.95 with full load

Ripple
<1A

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

Lifetime
20K Hours

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

Primary to secondary: 3950VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: >5M OHM 500VDC, 1 minute

FEATURES:

Input Over Current Protection

Input power line fused with 1.6A fuse

Short Circuit

Will withstand short circuit without damage

Output Overvoltage Protection

Protected (latched) from over voltage at nominal AC input.

Open Circuit Protection

Once circuit is opened, output will not be damaged at nominal AC input conditions

Input / Output Connection

2-pin terminal block

Input / Output Wires (Solid or Stranded)

Position	Terminal Color	Specification
Line	Brown	AWG16~18
Neutral	Blue	AWG16~18
Vout+	Red	AWG16~18
Vout-	Black	AWG16~18

Ingression Protection

IP20

Dimension Diagram Unit:mm

