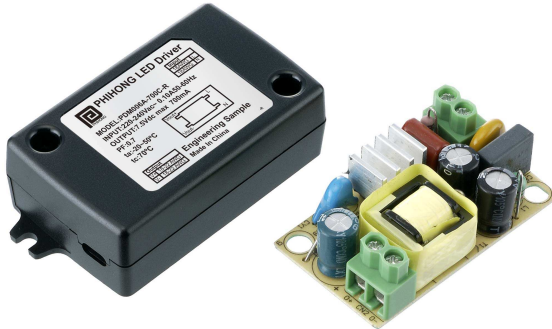




PDA006B-700C LED Driver

100-127V 6W 700mA Constant Current LED Driver



Features

- Power Factor >0.7
- Efficiency >70%
- OVP, OCP and Short-Circuit Protection
- Life Time: >20K hours @122°F or 50°C
- Operating Temperature: -4~122°F or -20~50°C
- Low Profile Design (<0.83 inch)
- Halogen Free
- UL 8750 Compliant
- 3 Years Warranty

Applications

- Indoor Lighting
- For Dry Locations Only

Safety Approvals

- cUL/UL, PSE(Pending)
- FCC Part 15 Class B

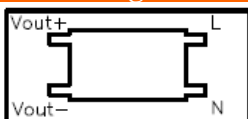
Mechanical Characteristics

- Length: 58mm (2.28in)
- Width: 35mm (1.38in)
- Height: 21mm (0.83in)
- Weight: 40g (0.53oz)

Output Specifications

Model	Output Voltage Range			Constant Current			Max Power
	Min.	Typ.	Max.	Min.	Typ.	Max.	
PDA006B-700C	2.5V	--	7.5V	650mA	700mA	750mA	5.6W

Wires Diagram



Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

INPUT:

AC Input Voltage Range
90 to 132VAC

AC Input Voltage Rating
100 to 127VAC

AC Input Frequency
47-63Hz

OUTPUT:

Total Output Power
5.6W

Efficiency
>70% at 100-127VAC and maximum load

Power Factor
>0.7at 100-127VAC and maximum load

Output Current Ripple
<1A p-p at maximum load

Turn On Delay Time
<0.5 seconds

Turn On Over Shoot
<1A

ENVIRONMENTAL:

Operating Temperature -20 to 50°C
Storage Temperature -20 to 85°C

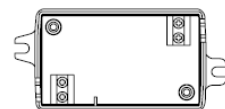
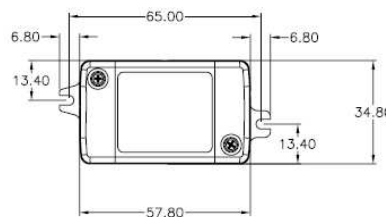
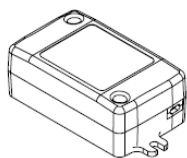
Operating Humidity 10 to 95%
Storage Humidity 5 to 95%

Warranty
3 Years

Approbation
UL8750, PSE(Pending)

EMC
FCC Part 15 Class B

Mechanical Outlines



Immunity

EN61000-4-2
EN61000-4-3
EN61000-4-4
EN61000-4-5
EN61000-4-6
EN61000-4-8
EN61000-4-11
EN61000-3-2 Class C

HI-POT Test

Primary to Secondary: 3000VAC, <5mA

Insulation Resistance

Primary to Secondary: 500VDC, >5 M ohm

FEATURES:

Input Over Current Protection

The input power line will be fused with a 1W/3.9ohm fuse resistor

Short Circuit Protection

Auto-recover, Hiccup mode

Output Overvoltage Protection

Output should not exceed 12V, auto shut down

Open Circuit Protection

Once the circuit is opened, the output voltage shall be kept below 12V.

Number of mains supply On/Off switching

>13,000 times on 45 seconds turn on then 45 seconds turn off

MTBF

>200K hours @ 122°F or 50°C

AC Input Connector (CN1)

DINKLE: EV500-02P
Mating: Solid or Stranded wire 16~24 AWG

DC Output Connector (CN2)

DINKLE: EV500-02P
Mating: Solid or Stranded wire 16~24 AWG