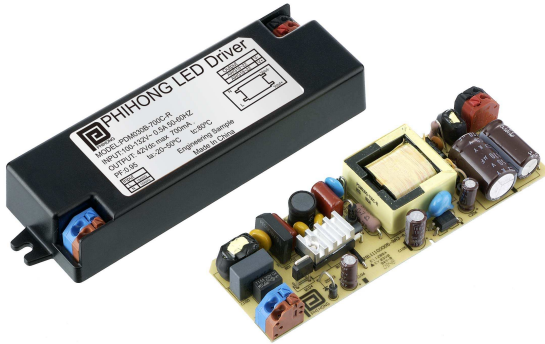




PDA010B-700C Driver 100-120V 10W 700mA Constant Current LED Driver



Features

- Power Factor >0.9
- Efficiency >70%
- OVP, OCP and Short-Circuit Protection
- Life Time: >20K hours @50°C or 122°F
- Operating Temperature: -20~50°C or -4~122°F
- Low Profile Design (<21mm)
- ROHS Complied
- 3 Years Warranty

Applications

- Indoor Lighting
- For Dry Locations Only

Safety Approvals

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

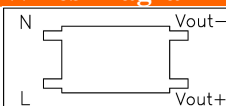
Mechanical Characteristics

- Length: 106mm (4.17in)
- Width: 40mm (1.57in)
- Height: 21mm (0.83in)
- Weight: <90g (1.2oz)

Output Specifications

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

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

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

AC Input Voltage Rating
100 to 120VAC

AC Input Frequency
47-63Hz

HI-POT Test

Primary to Secondary: 3000VAC, <5mA

OUTPUT:

Total Output Power
Typical 8.4W

Insulation Resistance

Primary to Secondary: 500VDC, >5 M ohm

Efficiency

>70% at 100-120VAC and maximum load

FEATURES:

Input Over Current Protection

The input power line will be fused with a 1.6A / 250Vac time-lag fuse.

Power Factor

>0.95 at 100-120VAC and maximum load

Short Circuit Protection

The power supply will withstand a short circuit across the outputs without damage. The driver will be auto recovery.

Output Current Ripple

<1A at maximum load

Output Overvoltage Protection

The output shall be protected (latched) from over voltage fault. @ 120Vac input under condition of CR mode of electrical load.

Turn On Delay Time

<0.5 seconds

Open Circuit Protection

Once the circuit is opened, the output voltage shall be kept below 16V.

Turn On Over Shoot

<1A

ENVIRONMENTAL:

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

Number of mains supply On/Off switching

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

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

MTBF

>200K hours @ 50°C or 122°F

Warranty

3 Years

AC Input Connector (CN1)

Anytek: HC0200C00002G or equivalent
Mating: Solid or Stranded wire 16~18 AWG, Brown-Line, Blue: Neutral

Approbation

UL8750, PSE(pending)

DC Output Connector (CN2)

Anytek: HC0200C00001G or equivalent
Mating: Solid or Stranded wire 16~22 AWG, Red: LED+, Black: LED-

EMC

FCC Part 15 Class B

Mechanical Outlines

Immunity

EN61000-4-2
EN61000-4-3