



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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25W Constant Voltage LED Driver PDA025B LED Driver Non-Dimming



Features

- OVP, OTP, OCP, Short/Open Circuit Protection & Brownout Protection
- SELV Compliant
- Class 2 Output per UL1310
- IP67
- Low Profile Design
- AC Input Voltage 90 to 305VAC
- ≥ 0.9 Power Factor Correction & THD $< 20\%$

Applications

- Down Lights
- Area Lights
- Architectural lighting

Safety Approvals

- cUL/UL8750

Mechanical Characteristics

- Length: 80mm (3.14in)
- Width: 78mm (3.07in)
- Height: 25.4mm (1in)
- Weight: 220g (7.76oz)

Output Specifications

Model	DC Output Voltage			Output Current	Output Power
	Min.	Typ.	Max.		
PDA025B-24VB	22.8V	24V	25.2V	1040mA	25W
PDA025B-48VB	45.6V	48V	50.4V	520mA	25W

INPUT:

AC Input Voltage Rating
100~277VAC

AC Input Frequency
47~63 Hz

Maximum Input Current
≤ 0.4A

Leakage Current
0.5mA maximum @ 277VAC/60Hz AC input

Power Factor
≥ 0.9

THD
<20%

OUTPUT:
Output Current Ripple
≤10%

Efficiency
84%

Environmental:
Temperature

Operation -40 to Tc +90°C
Non-operation -40 to +85°C
Operating Humidity 5 to 95%

EMC

FCC Part 15 Class B

Immunity

IEC61000-4-2
IEC61000-4-4
IEC61000-4-5
IEC61000-4-11

Dielectric Withstand (Hi-pot) Test

Primary to secondary: 4242VAC for 1 minute

Insulation Resistance

Primary to secondary: >5M Ohm 500VDC, 1 Minute

Short-Circuit Protection

The Driver will withstand a short circuit across the outputs without damage

Output Over-voltage Protection

The driver will latch off or auto restart

Open Circuit Protection

The Driver will withstand an open circuit across the outputs without damage

Input / Output Connections

Position	Terminal Color	Specification	Length
Input	Black	AWG18 Stranded Wire	160mm
	White	AWG18 Stranded Wire	160mm
Output	Red	AWG18 Stranded Wire	160mm
	Black	AWG18 Stranded Wire	160mm

Warranty

5 Years



