

PI series

3-10W AC-DC Constant Voltage LED Driver



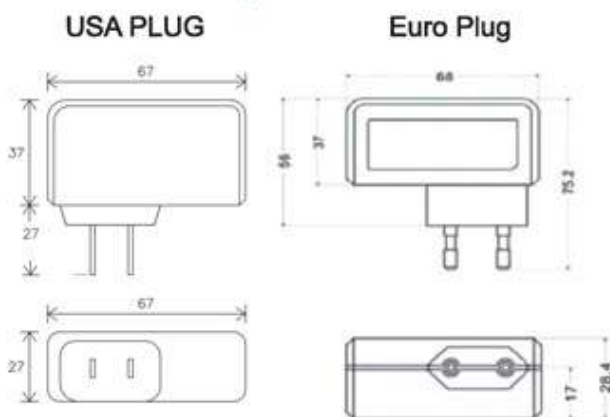
Features

- Universal AC input /Full range(up to 264 VAC)
- Constant Voltage design
- Class 2 Power Supply Unit
- Fully isolated plastic case
- 2 years warranty
- Protections :
 - Short Circuit / ■ Over Temperature

Specification

Model No.	LD-PI2512AF	LD-PI5012AF	LD-PI8312AF	LD-PI1224AF	LD-PI2524AF	LD-PI4124AF	
Input	Voltage & Frequency Range						100-240VAC; 50Hz / 60Hz
	AC Current (Max.)						0.19A at 115Vac/ 0.12A at 230Vac
	Power Factor						> 0.56 at 115Vac/ > 0.48 at 230Vac with full load
	Inrush Current (Max.)		< 20A/ 240vac	< 22A/ 240vac	< 27A/ 240vac	< 21A/240vac	< 21A/ 240vac
	Leakage Current		< 1mA / 240Vac				
Output	DC Voltage Range		12±1V	12±1V	12±1V	24±1.2V	24±1.2V
	Constant Current Range		250mA max	500mA max	830mA max	120mA max	250mA max
	Rated Max. Power		3W	6W	10W	3W	6W
	Ripple & Noise(Max.) note.2		3.6Vp-p	4.0Vp-p	3.6Vp-p	3.6Vp-p	3.6Vp-p
	Efficiency note.1		69%	65%	70%	70%	77%
Protections	Short Circuit						Hiccup mode, recovers automatically after fault condition is removed
Environment	Working Temp.						- 10°C ~ 40°C ambient operating at full load
	Working Humidity						20% ~ 90% RH non-condensing
	Storage Temp.,Humidity						-20 ~ +80°C ,10% ~ 90% RH
Safety & EMC	Safety Standards						meet EN61347-1,EN61347-2-13 , UL1310
	EMC Standards note.3						meet EN55015,EN61000-4-2,3,4,5,6,8,11 ,EN61547
	Withstand Voltage						I/P - O/P: 3.75KVAC
	Isolation Resistance						I/P-O/P:100M ohms / 500VDC at 25°C
Connection	Input						Wall mounted Plug-in for USA or Euro option
	Output						UL rated, 20AWGx 2C(200 cm) with DC Jack 5.5x2.1mm
Others	MTBF						100K hours min. @Ta=25°C
	Dimension(L*W*H)						67 * 27 * 64 (37) mm for USA ; 68 * 28.4 * 75.2 (37) mm for Euro
	Packing(L*W*H)/Carton						520 * 420 * 220mm; 100pcs/ 15.5Kg
Note	1. All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature.						
	2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.						
	3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.						

Mechanical Specification



Wiring Diagram

