

# PI series



## 6W AC-DC Constant Current LED Driver



### Features

- Universal AC input / range (up to 264 VAC)
- Class 2 Power Supply Unit
- Energy efficiency Level VI
- Comply with EISA 2007 / DoE and Erp
- Protections : OCP / SCP / OTP
- Fully isolated plastic case
- 2 years warranty

### Safety Approval



### Specification

Model No.		LD006H-CU07009-PI	LD006H-CU05012-PI	LD006H-CU03512-PI	LD006H-CU02524-PI
OUTPUT	DC Voltage Range	6-9V	7-12V	7-12V	14-24V
	Rated Current	700mA	500mA	350mA	250mA
	Rated Power	6W	6W	4.2 W	6W
	Ripple & Noise(Max.) Note.2	3.6Vp-p	3.6Vp-p	3.6Vp-p	3.6Vp-p
	Voltage Tolerance Note.3	± 6%			
	Line Regulation	± 2%			
	Load Regulation	± 6%			
INPUT	Voltage Range Note.4	100 - 240VAC			
	Frequency Range	50 / 60Hz			
	Efficiency (Typ.) meet Efficiency level VI	79%	80%	79%	80%
	AC Current	0.2A at 115Vac ; 0.15A at 230Vac			
	Inrush Current (Max)	25A at 230Vac			
Protections	Over Current	110% - 120% Constant current limiting, auto-recovery			
	Short Circuit	Protection Type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Temperature	Shut down o/p voltage, recovers automatically after temperature goes down			
Environment	Working Temp.	-10°C ~ 40°C (Refer to "Derating Curve")			
	Working Humidity	20% ~ 90% RH non-condensing			
	Storage Temp., Humidity	-20 ~ +80°C, 10% ~ 95% RH			
Safety & EMC	Safety Standards	meet EN61347-1, EN61347-2-13, UL8750 refer UL1310			
	Withstand Voltage	I/P - O/P : 3.75K VAC			
	Isolation Resistance	I/P - O/P : >100M Ohms / 500Vdc / 25°C / 70% RH			
	EMC Emission	Compliance to meet EN55015, FCC Class B			
	EMC Immunity	Compliance to EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11			
Connection	Input	Wall mounted Plug-in for USA or Euro option			
	Output	UL rated, 20 AWG x 2C (200 mm) with DC Jack 5.5x2.1 mm			
Others	LIFE	2 year ; 100%Load 40, 8 hours / day			
	MTBF	100K hours min. @Ta=25°C			
	Dimension (L*W*H)	67 * 27 * 64 (37) mm			
	Packing (L*W*H) / Carton	520 * 420 * 220 mm ; 100 pcs / 15.5 kg			

### Note

- All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature.
- Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- Tolerance : Includes set up tolerance, line regulation and load regulation.
- Derating may be needed under low input voltage. Please check the static characteristics for more details.
- The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
- Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
- The unit might not be suitable for lighting applications in countries. Please check with your local authorities for the possible use of the unit.
- Suitable for indoor use or outdoor use without direct sunlight exposure.