

60W AC-DC Constant Voltage LED Driver



Features

- Universal AC input / Full range from 100VAC to 264 VAC
- UL Class 2 compliant
- Constant Voltage Operation
- Fully Isolated Plastic Case
- Protections : OCP / SCP / OTP
- 2 years warranty

Safety Approval



Specification

Model No.		LD060L-CU50012-40	LD060L-CU25024-40
Output	DC Voltage	12V	24V
	Current Range	0~5.0A	0~2.5A
	Rated Max. Power	60W	60W
	Voltage Tolerance	±5%	±5%
	Ripple & Noise (Max.) note.2	0.18 Vp-p	0.24 Vp-p
	Efficiency note.1	83%	85%
	Set up Time (Max)	500ms / 230Vac at full load	
Input	Voltage & Frequency Range	100 - 240VAC	
	Frequency Range	50 / 60 Hz	
	AC Current (Max.)	0.95A at 115Vac / 0.6A at 230Vac	
	Power Factor	> 0.5 at 230Vac with full load.	
	Inrush Current (Max.)	75A at 230Vac	
	Leakage Current	< 1mA / 240Vac	
Protections	Over Current	100% - 120% Constant current limiting, auto-recovery	
	Short Circuit	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 ~ 60°C (Refer to output load derating curve)	
	Working Humidity	20% ~ 90% RH non-condensing.	
	Storage Temp., Humidity	-40 ~ +60°C , 10% ~ 90% RH	
Safety & EMC	Safety Standards	EN61347 1, EN61347 2 13	
	Withstand Voltage	I/P - O/P : 3.75K VAC	
	Isolation Resistance	I/P - O/P : 100M ohms / 500VDC at 25	
	EMI Conduction & radiation	meet EN55015	
	EMS Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, EN61000 3 2 Class C	
Connection	Input	UL rated, 18 AWG x 2C (150 mm)	
	Output	UL rated, 18 AWG x 2C (150 mm)	
Others	MTBF	100K hours min. MIL HDBK 217F(25°C)	
	Dimension (L*W*H)	163 * 44.2 * 32.5 mm	
	Packing (L*W*H) / Carton	390 * 280 * 210 mm ; 50 pcs / 20 kg	
Note	1. All parameters NOT specified are measured at 230VAC input at 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 in a enclosed equipment. The final equipment must be reconfirmed that it still meets EMC directives.		