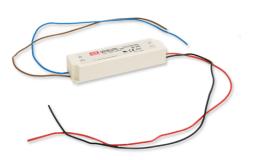


## 60W Single Output Switching Power Supply

## LPC-60 series



- Features :
- Constant current design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- Fully isolated plastic case
- Class 
   II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.7)

□ LPS IP67 ( ( unity for 1750mA) ( except for 1750mA) c us ( for 1750mA only) C €

- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

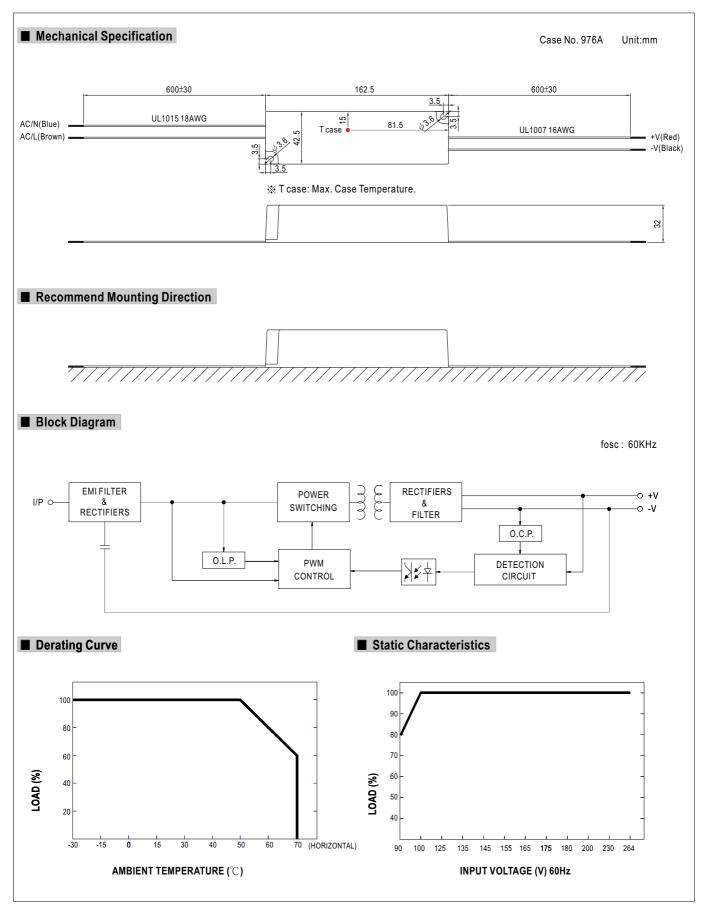
#### SPECIFICATION

MODEL		LPC-60-1050	LPC-60-1400	LPC-60-1750	
OUTPUT	RATED CURRENT	1050mA	1400mA	1750mA	
	DC VOLTAGE RANGE	9~48V	9~42V	9~34V	
	RATED POWER	50.4W	58.8W	59.5W	
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p	200mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%			
	CURRENT ACCURACY	±5.0%			
	LINE REGULATION	±1.0%			
	LOAD REGULATION	±2.0%			
	SETUP, RISE TIME Note.6	500ms, 120ms / 230VAC 500ms, 120ms / 115VAC at full load			
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load			
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	87%	85%	87%	
	AC CURRENT (Typ.)	1.2A/115VAC 0.7A/230VAC			
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 60A/230VAC 60A/230VAC			
	LEAKAGE CURRENT	0.25mA / 240VAC			
PROTECTION		50.4 ~ 60V	44.1 ~ 56.7V	39.1 ~ 45.9V	
	OVER VOLIAGE	Protection type : Shut off o/p voltage, clamping by TVS diode			
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL1310, CAN/CSA C22.2 No. 223-M91(for LPC-60-1750 only), IP67 approved ; design refer to TUV EN60950-1			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC			
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A			
OTHERS	MTBF	732Khrs min. MIL-HDBK-217F (25℃)			
	DIMENSION	162.5*42.5*32mm (L*W*H)			
	PACKING	0.4Kg; 32pcs/13.8Kg/0.56CUFT			
NOTE	<ol> <li>Ripple &amp; noise are measure</li> <li>Tolerance : includes set up</li> <li>Derating may be needed ui</li> <li>The power supply is consid complete installation, the fir</li> <li>Length of set up time is me</li> <li>The unit might not be suital</li> </ol>	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. p tolerance, line regulation and load regulation. under low input voltage. Please check the static characteristics for more details. idered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the inal equipment manufacturers must re-qualify EMC Directive on the complete installation again. teasured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. able for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit. outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.			



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