

■ Features :

- Constant current design
- Universal AC input / Full range
- Fully encapsulated with IP67 level
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over current / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- UL1310 Class 2 power unit, pass LPS
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications (Note.7)
- 2 years warranty

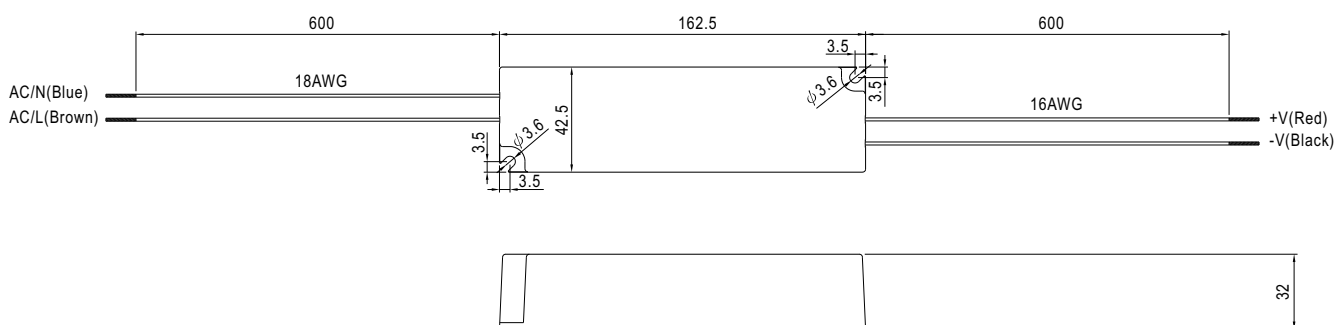
LPS IP67  (for 1750mA only)  US (except for 1750mA) 

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%		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±2.0%		
	SETUP, RISE TIME Note.6	500ms, 120ms / 230VAC	500ms, 120ms / 115VAC at full load	
INPUT	HOLD UP TIME (Typ.)	50ms/230VAC	16ms/115VAC at full load	
	VOLTAGE RANGE Note.4	90 ~ 264VAC	127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	87%	85%	87%
	AC CURRENT	1.2A/115VAC	0.7A/230VAC	
	INRUSH CURRENT(max.)	COLD START 30A/115VAC	60A/230VAC	
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC		
	CURRENT LIMIT	±5% rated output current		
	Protection type : Constant current limiting type			
ENVIRONMENT	OVER VOLTAGE	50.4 ~ 60V	44.1 ~ 56.7V	39.1 ~ 45.9V
	Protection type : Shut off o/p voltage, clamping by TVS diode			
	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)		
SAFETY & EMC	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		
OTHERS	SAFETY STANDARDS	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(for LPC-60-1750 only), IP67 approved ; design refer to TUV EN60950-1, EN61347-2-13		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC		
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class A, EN61000-3-3		
NOTE	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A		
	MTBF	732Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	162.5*42.5*32mm (L*W*H)		
PACKING		0.4Kg; 32pcs/13.8Kg/0.56CUFT		

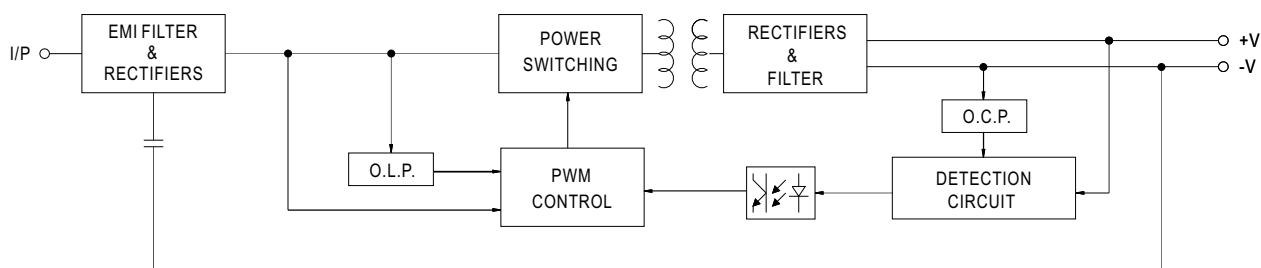
■ Mechanical Specification

Case No. 976A Unit:mm

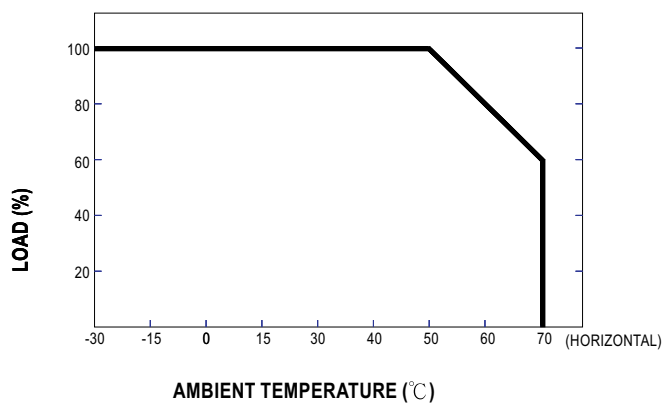


■ Block Diagram

fosc : 60KHz



Derating Curve



■ Static Characteristics

