




■ Features :

- Constant current design
- Universal AC input / Full range
- Epoxy 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
- 2 years warranty

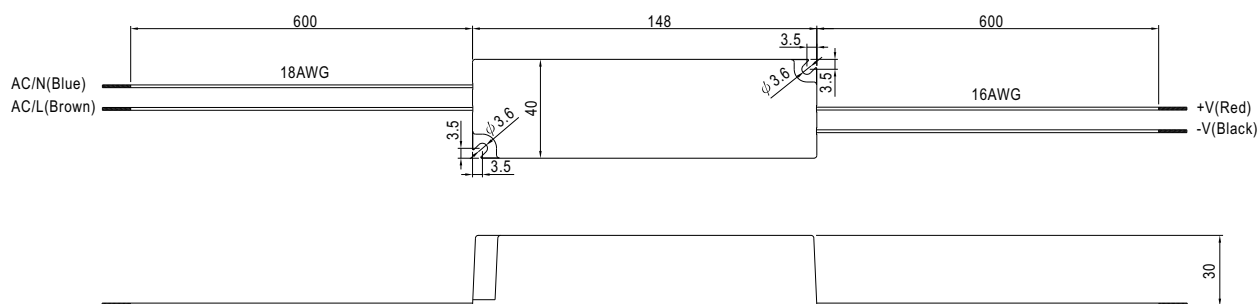
LPS IP67  (for 48V only)  US (except for 48V) 

SPECIFICATION

MODEL	LPC-35-700	LPC-35-1050	LPC-35-1400
OUTPUT	RATED CURRENT	700mA	1050mA
	DC VOLTAGE RANGE	9 ~ 48V	9 ~ 30V
	RATED POWER	33.6W	31.5W
	RIPPLE & NOISE (max.) Note.2	200mVp-p	200mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%
	LINE REGULATION	±1.0%	±1.0%
	LOAD REGULATION	±2.0%	±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	90 ~ 264VAC	90 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz
	EFFICIENCY (Typ.)	85%	85%
	AC CURRENT	1.1A/115VAC 0.7A/230VAC	1.1A/115VAC 0.7A/230VAC
	INRUSH CURRENT(max.)	COLD START 30A/115VAC	60A/230VAC
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC	0.25mA / 240VAC
	CURRENT LIMIT Note.4	±5% rated output current	±5% rated output current
	OVER VOLTAGE	50.4 ~ 60V	31.5 ~ 40.5V
		Protection type : Shut off o/p voltage, clamping by zener diode	27.6 ~ 32.4V
ENVIRONMENT	WORKING TEMP.	-30 ~ +75°C (Refer to output load derating curve)	-30 ~ +75°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for 48V), IP67 approved, design refer to TUV EN60950-1, EN61347-2-13	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for 48V), IP67 approved, design refer to TUV EN60950-1, EN61347-2-13
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-O/P:3KVAC
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	Compliance to EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	Compliance to EN61000-3-2,-3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A
	MTBF	743.5Khrs min. MIL-HDBK-217F (25°C)	743.5Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	148*40*30mm (L*W*H)	148*40*30mm (L*W*H)
	PACKING	0.34Kg; 40pcs/14.6Kg/0.63CUFT	0.34Kg; 40pcs/14.6Kg/0.63CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltage. Please check the derating curve for more details. 5. 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. 6. 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.		

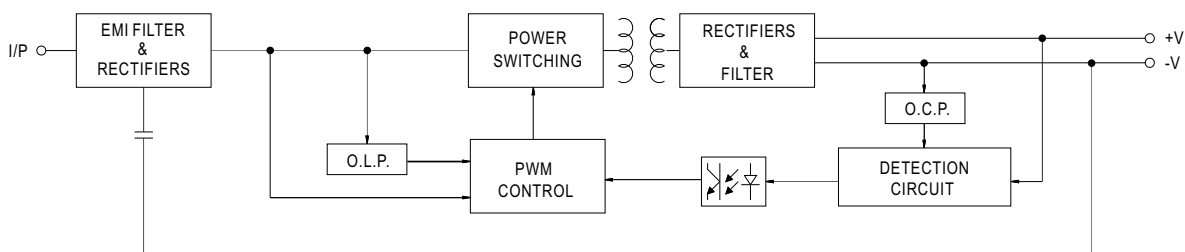
■ Mechanical Specification

Case No. 975A Unit:mm

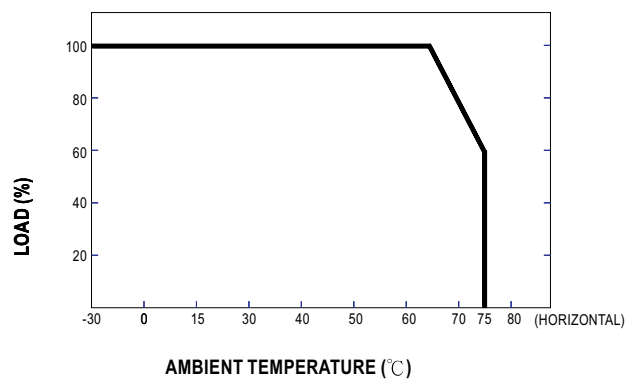


■ **Block Diagram**

fosc : 60KHz



Derating Curve



■ Static Characteristics

