

■ 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
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.7)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



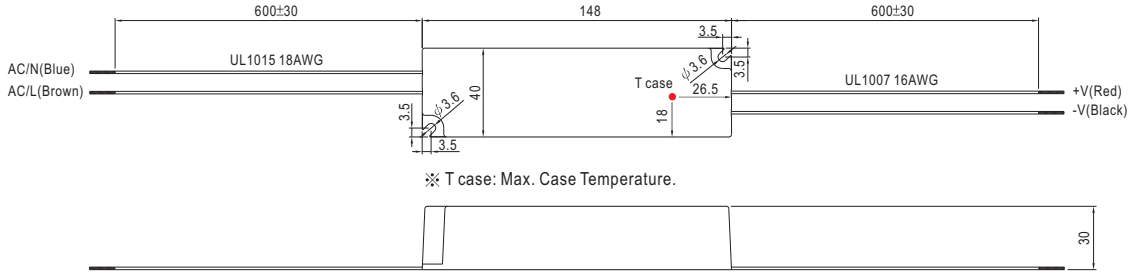
**SPECIFICATION**

MODEL	LPC-35-700	LPC-35-1050	LPC-35-1400	
OUTPUT	<b>RATED CURRENT</b>	700mA	1050mA	1400mA
	<b>DC VOLTAGE RANGE</b>	9 ~ 48V	9 ~ 30V	9 ~ 24V
	<b>RATED POWER</b>	33.6W	31.5W	33.6W
	<b>RIPPLE &amp; NOISE (max.)</b> Note.2	200mVp-p	200mVp-p	200mVp-p
	<b>VOLTAGE TOLERANCE</b> Note.3	±5.0%		
	<b>CURRENT ACCURACY</b>	±5.0%		
	<b>LINE REGULATION</b>	±1.0%		
	<b>LOAD REGULATION</b>	±2.0%		
	<b>SETUP, RISE TIME</b> Note.6	500ms, 120ms / 230VAC	500ms, 120ms / 115VAC	at full load
<b>HOLD UP TIME (Typ.)</b>	50ms/230VAC	16ms/115VAC	at full load	
INPUT	<b>VOLTAGE RANGE</b> Note.4	90 ~ 264VAC	127 ~ 370VDC	
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz		
	<b>EFFICIENCY (Typ.)</b>	85%		
	<b>AC CURRENT (Typ.)</b>	1.1A/115VAC	0.7A/230VAC	
	<b>INRUSH CURRENT(max.)</b>	COLD START 30A/115VAC	60A/230VAC	
	<b>LEAKAGE CURRENT</b>	0.25mA / 240VAC		
PROTECTION	<b>OVER VOLTAGE</b>	50.4 ~ 60V	31.5 ~ 40.5V	27.6 ~ 32.4V
		Protection type : Shut off o/p voltage, clamping by zener diode		
ENVIRONMENT	<b>WORKING TEMP.</b>	-30 ~ +75°C (Refer to "Derating Curve")		
	<b>WORKING HUMIDITY</b>	20 ~ 90% RH non-condensing		
	<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +80°C, 10 ~ 95% RH		
	<b>TEMP. COEFFICIENT</b>	±0.03%/°C (0 ~ 50°C)		
	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC	<b>SAFETY STANDARDS</b>	UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for LPC-35-700), IP67 approved ; design refer to TUV EN60950-1, EN61347-2-13		
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC		
	<b>ISOLATION RESISTANCE</b>	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
	<b>EMC EMISSION</b>	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3		
	<b>EMC IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A		
OTHERS	<b>MTBF</b>	743.5Khrs min. MIL-HDBK-217F (25°C)		
	<b>DIMENSION</b>	148*40*30mm (L*W*H)		
	<b>PACKING</b>	0.34Kg; 40pcs/14.6Kg/0.63CUFT		
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>5. 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.</li> <li>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.</li> <li>7. In the European market this power supply can be used for LED lighting applications with input power up to 25W.</li> <li>8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</li> </ol>			

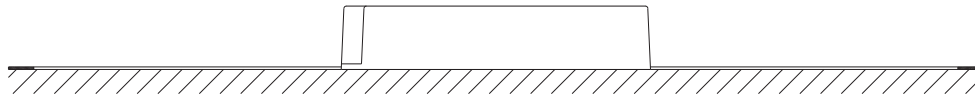
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**Mechanical Specification**

Case No. 975A Unit:mm

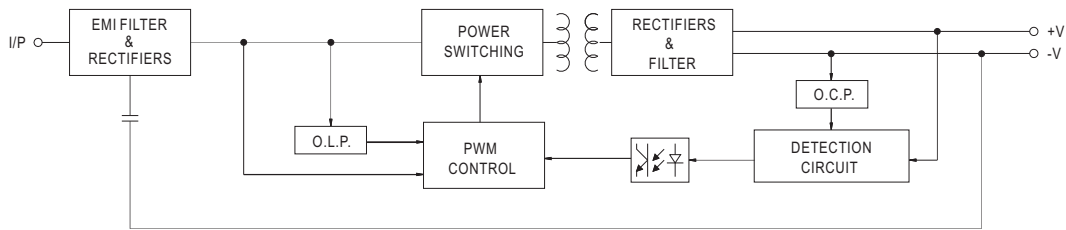


**Recommend Mounting Direction**

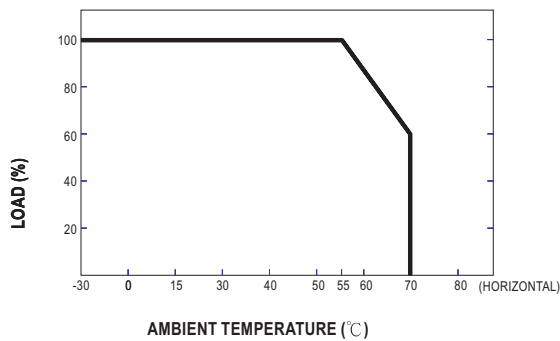


**Block Diagram**

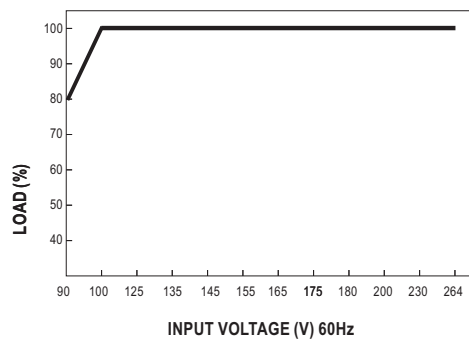
fosc : 60KHz



**Derating Curve**



**Static Characteristics**



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