



## 35W Single Output Switching Power Supply

## LPC-35 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.6)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.9)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

User's Manual



## ■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## SPECIFICATION



LPS IP67 EAC



(for 700mA only)



US (except for 700mA)

IS 15885(Part 2/Sec13)



R-41027766

MODEL	LPC-35-700	LPC-35-1050	LPC-35-1400	
OUTPUT	RATED CURRENT	700mA	1050mA	1400mA
	CONSTANT CURRENT REGION	9 ~ 48V	9 ~ 30V	9 ~ 24V
	RATED POWER	33.6W	31.5W	33.6W
	CURRENT RIPPLE <small>Note.2</small>	±5%		
	VOLTAGE TOLERANCE	±5.0%		
	CURRENT ACCURACY	±5.0%		
	SETUP, RISE TIME <small>Note.5</small>	500ms, 120ms / 230VAC 500ms, 120ms / 115VAC at full load		
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load		
INPUT	VOLTAGE RANGE <small>Note.3</small>	90 ~ 264VAC 127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	85%		
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC		
	INRUSH CURRENT(Typ.)	COLD START 55A(twidth=500µs measured at 50% Ipeak) at 230VAC		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC		
LEAKAGE CURRENT	0.25mA / 240VAC			
PROTECTION	OVER VOLTAGE	50.4 ~ 60V	31.5 ~ 40.5V	27.6 ~ 32.4V
		Protection type : Shut off o/p voltage, clamping by zener 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(except for LPC-35-700), BIS IS15885, IEC62368-1, EAC TP TC 004, BS EN/EN62368-1, IP67 approved;		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC		
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH		
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A, BS EN/EN61000-3-3, EAC TP TC 020		
EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020			
OTHERS	MTBF	6050.2K hrs min. Telcordia SR-332 (Bellcore); 574.4K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	148*40*30mm (L*W*H)		
	PACKING	0.34Kg; 40pcs/14.6Kg/0.70CUFT		
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. Current ripple is measured 60%~100% of maximum voltage under rated power delivery.</li> <li>3. Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>4. 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. (as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a>)</li> <li>5. 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>6. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</li> <li>7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</li> <li>8. For any application note and IP water proof function installation caution, please refer our user manual before using. <a href="https://www.meanwell.com/Upload/PDF/LED_EN.pdf">https://www.meanwell.com/Upload/PDF/LED_EN.pdf</a></li> <li>9. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)</li> </ol> <p>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a></p>			

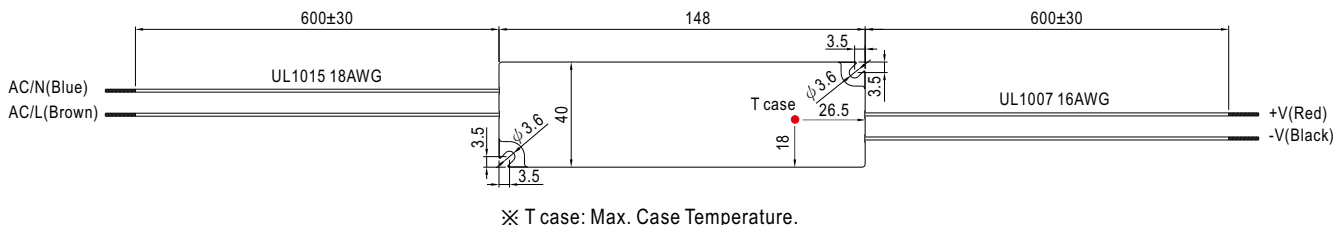


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#### Mechanical Specification

Case No. 975A Unit:mm Tolerance:±1

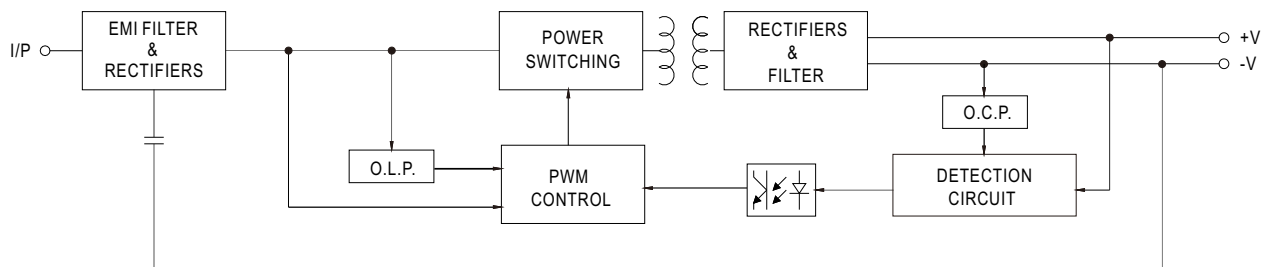


#### Recommend Mounting Direction

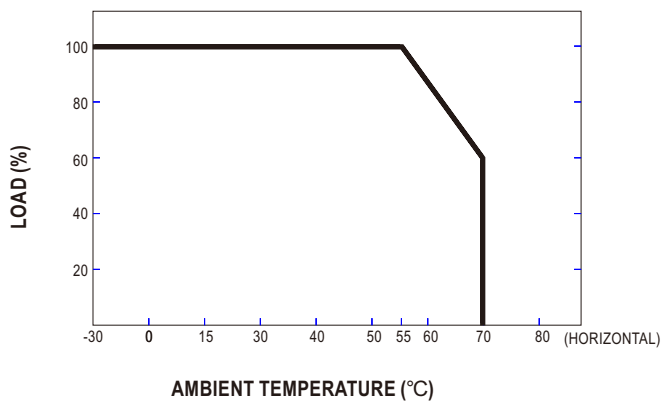


#### Block Diagram

fosc : 60KHz



#### Derating Curve



#### Static Characteristics

