



**Features :**

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264Vac.
- Fully isolated plastic case with IP65
- Built-in Constant Current limiting design.
- Operation from -10°C~40°C full load.
- Protections: OVP / OLP/ SCP .
- Class II power design without earth pin.

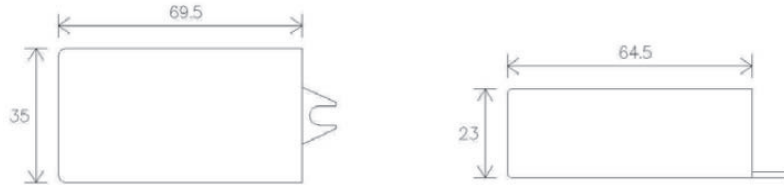
☐ UL Ip65 CE

**SPECIFICATION**

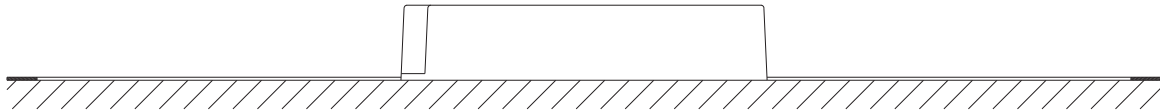
MODEL		LC-3536-02
OUTPUT	RATED CURRENT	350mA
	DC VOLTAGE RANGE	3 ~ 36V DC
	RATED POWER	8W
	RIPPLE & NOISE (max.) <small>Note.2</small>	200mVp-p
	VOLTAGE TOLERANCE <small>Note.3</small>	±5.0%
	CURRENT ACCURACY	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME <small>Note.6</small>	250ms / 230VAC at full load
HOLD UP TIME (Typ.)	50ms / 230VAC at full load	
INPUT	VOLTAGE RANGE <small>Note.4</small>	90 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	75%
	AC CURRENT (Typ.)	0.1A/230VAC
	INRUSH CURRENT(max.)	No components will be stressed over its max specification according to 12T
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC
	OVER VOLTAGE	105% - 120% rated output power Protection type : Shut off o/p voltage, clamping by zener diode
ENVIRONMENT	WORKING TEMP.	-10~ +40°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP, HUMIDITY	-20 ~ +80°C , 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
	SAFETY STANDARDS	UL879, UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for LPC-20-350), 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
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B EN61000-3-2 Class A, EN61000-3-3
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
	MTBF	400Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	69.5*35*23 mm (L*W*H)
NOTE	PACKING	0.10Kg; 100pcs/10.5Kg
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.                  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.                  3. Tolerance : includes set up tolerance, line regulation and load regulation.                  4. Derating may be needed under low input voltage. Please check the static characteristics for more details.                  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.                  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.                  7. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</p>	

■ **Mechanical Specification**

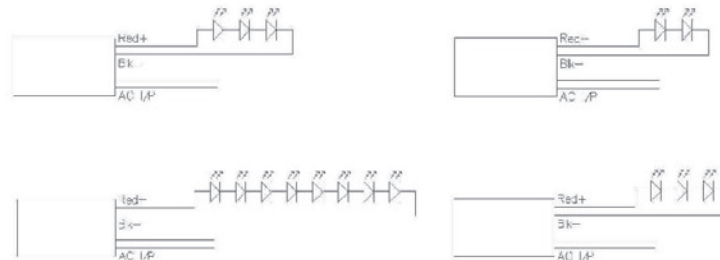
Case No. 972A Unit:mm



■ **Recommend Mounting Direction**



■ **Installation:**



Code: CLP-016C (350 mA)



**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
- Small and compact size
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- Low cost, high reliability

☐ LPS IP67    

**SPECIFICATION**

MODEL		LPC-20-350
OUTPUT	RATED CURRENT	350mA
	DC VOLTAGE RANGE	9 ~ 48V
	RATED POWER	16.8W
	RIPPLE & NOISE (max.) <small>Note.2</small>	200mVp-p
	VOLTAGE TOLERANCE <small>Note.3</small>	±5.0%
	CURRENT ACCURACY	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME <small>Note.6</small>	500ms, 250ms / 230VAC at full load
HOLD UP TIME (Typ.)	50ms / 230VAC at full load	
INPUT	VOLTAGE RANGE <small>Note.4</small>	90 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	83%
	AC CURRENT (Typ.)	0.35A/230VAC
	INRUSH CURRENT(max.)	COLD START 70A/230VAC
LEAKAGE CURRENT	0.25mA / 240VAC	
PROTECTION	OVER VOLTAGE	50.4 ~ 60V Protection type : Shut off o/p voltage, clamping by zener diode
	WORKING TEMP.	-30~ +70°C (Refer to "Derating Curve")
ENVIRONMENT	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	UL879, UL1310 Class 2, CAN/CSA C22.2 No. 223-M91(except for LPC-20-350), 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
	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	786.5Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	118*35*26mm (L*W*H)
	PACKING	0.22Kg; 60pcs/14.2Kg/0.62CUFT
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.                  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.                  3. Tolerance : includes set up tolerance, line regulation and load regulation.                  4. Derating may be needed under low input voltage. Please check the static characteristics for more details.                  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.                  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.                  7. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</p>	

