Model: LCxxxx-03 Series (3~9 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Built-in Constant Current Limiting Design.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Operation from -10˚C~40˚C Full Load.
- Protections: OVP / OLP/ SCP.
- Class II Power Design Without Earth Pin.

Approvals

CE SELV

Size

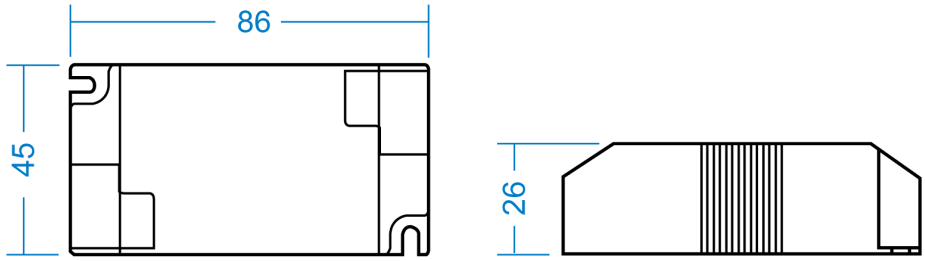
86 * 45 * 26 mm (L*W*H)

Specifications

Model No.		GP-LC3512-03	GP-LC3536-03	GP-LC7021-03
Output	LED Operation Voltage	3-12VDC	3-36VDC	3-21VDC
	Max. Rated Current Range	350mA ± 6%	350mA ± 6%	700mA ± 6%
	Rated Max. Power	3W	8W	9W
	Efficiency (Typ.) 230VAC	75%	75%	75%
	Rise Time	<250ms at full load		
Input	Voltage Range	90VAC ~ 264VAC		
	Frequency Range	47 Hz ~ 63 Hz		
	AC Current	0.2A at 115VAC / 0.1A at 230VAC		
	Inrush Current	No components will be stressed over its max specification according to I2T		
	Leakage Current	<0.25mA / 240 VAC		
Protections	Over Load	100~135% rated output power recovers automatically after fault condition has been removed.		
	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed.		
	Over Voltage	105-120% rated output Voltage		
Environment	Operation Temp.	-10 ~ 40°C Full Load		
	Operation Humidity	20% ~ 95% RH non-condensing.		
	Storage Temp.	-20 ~ +80°C		
	Storage Humidity	10% ~ 95% RH		
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.		
Safety & EMC	Safety Standards	meet EN61347-1, EN61347-2-13		
	Withstand Voltage	meet I/P - O/P: 3.75K VAC		
	Isolation Resistance	meet >100M ohms / 500VDC at 25°C		
	EMI Conduction & Radiation	meet EN55015		
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3		
	EMS Immunity	meet EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11		

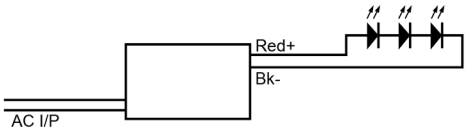
Others	MTBF	400K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	86 x 45 x 26mm; 67g/pcs
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications. 3. 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.	

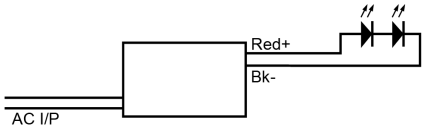
Dimension



Configuration arrays when using Hi power LEDs

LC3512-03 driver at 350mA/LED : from 1 to 3 LEDs in series LC7012-03 driver at 700mA/LED : from 1 to 2 LEDs in series





LC3536-03 driver at 350mA/LED : from 1 to 8 LEDs in series LC7021-03 driver at 700mA/LED : from 1 to 3 LEDs in series