Model: LCxxxx-01 Series (3~6 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 cULus SELV

Size

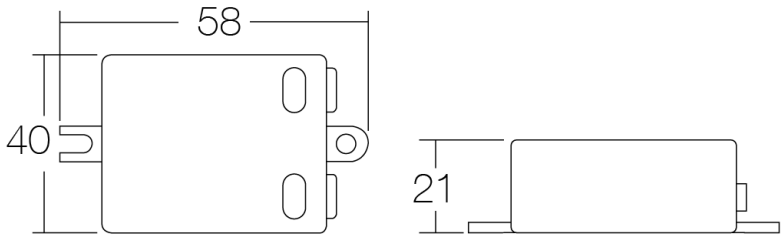
58 * 40 * 21 mm (L*W*H)

Specifications

Model No.		GP-LC3512-01	GP-LC7012-01
Output	LED Operation Voltage	3-12VDC	3-12VDC
	Rated Current Range	350mA ±6%	700mA ±6%
	Rated Max. Power	3W	6W
	Efficiency (Typ.) 230VAC	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 / 240VAC	
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)	58 x 40 x 21mm; 36.5g/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 with 3Ø&5Ø LED