

Model: GP-LCxxxx-02 Series (8~9 Watts single output)

Features

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264V AC.
- 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.

Approvals



Size

73.5 * 35 * 23 mm (L*W*H)

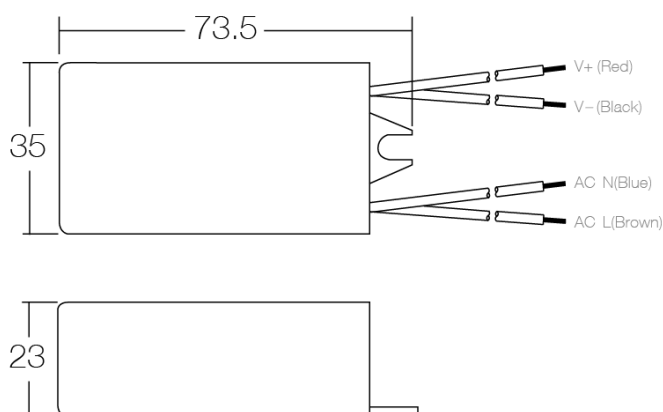


Specifications

Model No.		GP-LC7012-02
Output	LED Operation Voltage	3-12V DC
	Rated Current Range	700mA ±6%
	Rated Max. Power	6W
	Efficiency (Typ.) 230V AC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	90V AC ~ 264V AC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.2A at 115V AC / 0.1A at 230V AC
	Inrush Current	No components will be stressed over its max specification according to I2T
	Leakage Current	<0.25mA / 240V AC
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 ,IP65 Approved
	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)	73.5 x 35 x 23mm; 97.4g/pcs
Note	1. All parameters NOT specially mentioned are measured at 230V AC 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 : Output connector with stripped type



Configuration arrays when using Hi power LEDs

With the 350mA Output Current With the 700mA Output Current LC3512-02 / LC7012-02

