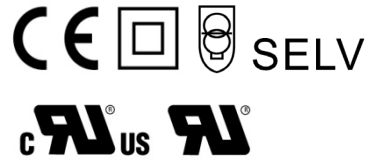


## Model: LV5012-02 (6 Watts single output)

### Features

- Universal AC Input 90~264VAC.
- Constant Voltage Operation.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case With IP65.
- Built-in Constant Voltage Design.
- Operation from -10°C~40°C Full Load.
- Protections: SCP.
- Class II Power Design Without Earth Pin.

### Approvals



### Size

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

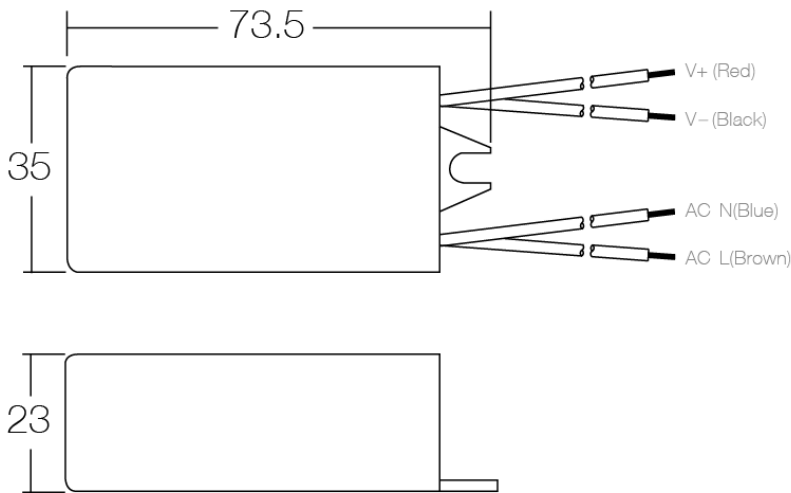


### Specifications

Model No.		GP-LV5012-02
Output	LED Operation Voltage	12VDC ±10%
	Rated Current Range	0-500mA
	Rated Max. Power	6W
	Efficiency (Typ.) 230VAC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	100VAC ~ 240VAC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.22A at 115VAC / 0.14A at 230VAC
	Inrush Current	<30A at 240VAC
	Leakage Current	<0.25mA / 240VAC
Protections	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed.
Environment	Operation Temp.	-10 ~ 40°C Full Load
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-20 ~ +80°C
	Storage Humidity	10% ~ 90% 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: 3.75KVAC
	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	<ol style="list-style-type: none"><li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li><li>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</li><li>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.</li></ol>
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**Dimension**



**Configuration arrays when using with 3Ø&5Ø LED**

