

Model: LVxxxx-02 Series (6~10 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)

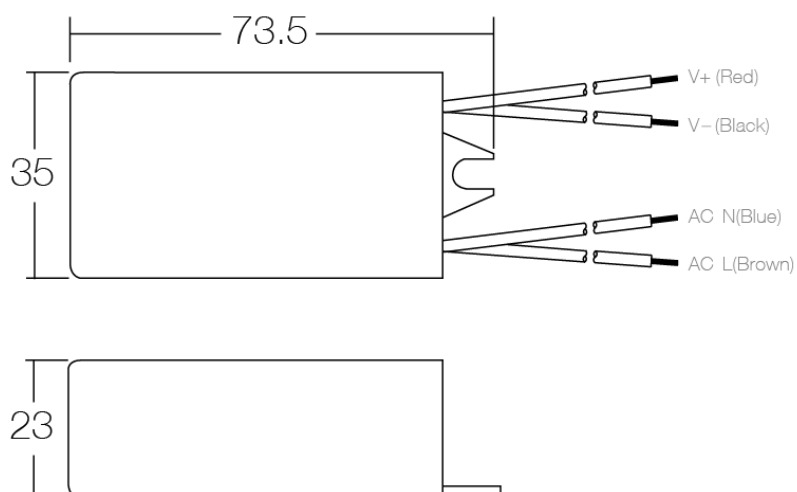


Specifications

Model No.		GP-LV2524-02	GP-LV4124-02
Output	LED Operation Voltage	24VDC ±10%	24VDC ±10%
	Rated Current Range	0-250mA	0-410mA
	Rated Max. Power	6W	10W
	Efficiency (Typ.) 230VAC	77%	80%
	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 < 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	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.
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Dimension



Configuration arrays when using with 3Ø&5Ø LED

