

Model: LVA012-05 Series (12 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Constant Voltage Operation.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Operation from -20°C~50°C at Full Load.
- Protections: OTP / SCP.
- Class II Power Design Without Earth Pin.
- Tc Point Measured, Max Case Temperature: 70°C.

Approvals



Size

65 * 44 * 28 mm (L*W*H)

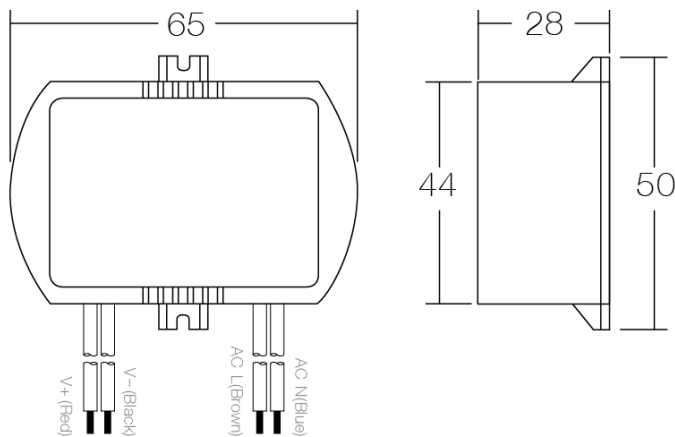


Specifications

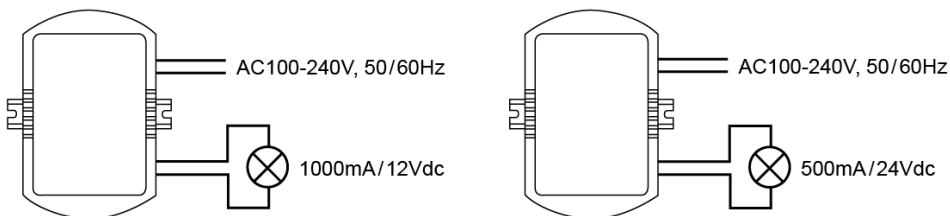
Model No.		GP-LVA012-05
Output	LED Operation Voltage	12VDC ± 6%
	Rated Current Range	0-1A
	Rated Max. Power	12W
	Efficiency (Typ.) 230VAC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	90VAC ~ 264VAC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.3A at 115VAC / 0.15A at 230VAC
	Inrush Current	< 25A at 240VAC
	Leakage Current	<0.25mA / 240VAC
Protections	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed
	Over Temperature	Over 80 degree output shutdown
Environment	Operation Temp.	-20 ~ 50°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: 3KVAC
	Isolation Resistance	meet >500M ohms / 500V DC 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	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	65 x 44 x 28mm; 100.2g/pcs
Note	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</p> <p>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</p> <p>3. The power supply is considered a component which will be installed final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>	

Dimension



Configuration arrays when using high power LED



Note 1: Lamps must be wired in parallel, and total value of amp should be under rated Max Amp.

Note 2: Parameter measured at full load 25°C ambient temperature.