

Model: GP-LDxxxx-12/GP-LDxxxx-24 Series (DC-DC LED Driver)

Features

- For High Brightness Light-Emitting Diode Products.
- DC 12V/24V Input.
- Fully Isolated Plastic Case with Stripped.
- Built-in Constant Current Limiting Design.
- Operation from -10°C ~40°C Full Load.
- Protections: OVP / OLP/ SCP.

Approvals



Size

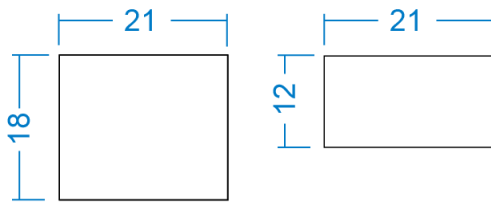
18 * 21 * 12 mm (L*W*H)



Specifications

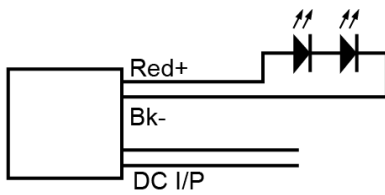
Model No.		GP-LD3510-12	GP-LD7012-12	GP-LD3508-24	GP-LD3520-24	GP-LD7012-24
Output	LED Operation Voltage	3-10V	3-12V	3-8V	3-20V	3-12V
	Rated Current Range	350mA ± 10%	650mA ± 10%	350mA ± 10%	350mA ± 10%	650mA ± 10%
	Rated Max. Power	2W	9W	2W	5W	9W
	Efficiency (Typ.)	>80%				
	Rise Time	>30ms at full load				
Input	Voltage Range	DC 10.5 ~13.5V		DC 22~26V		
	AC Current	0.2A at 12VDC / 0.1A at 24VDC				
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°C~+40°C full load.				
	Operating 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				
	EMI Conduction & Radiation	meet EN55015				
	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)	18 x 21 x 12 mm; 12.2g/pcs				
Remark	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 final equipment. The final equipment must be re-confirmed that it still meets EMC directives.					

Mechanical Specification (Output connector with stripped type)



Configuration arrays when using Hi power LEDs

GP-LD3510-12 / GP-LD3508-24



GP-LD3520-24

