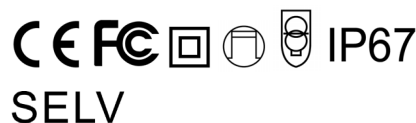


Model: GP-RS10P Series (12 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Built-in Constant Current Limiting Design.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case & Double Insulation Cable Wire.
- No Load Consumption < 0.5W.
- Meet Application For ErP EU_1194_2012,Stage 3.
- Operation from -20°C ~60°C Full Load.
- Protections: OTP / SCP.
- Class II Power Design Without Earth Pin.
- IP67 Class.

Approvals



Size

114 * 37.4 * 25 mm (L*W*H)

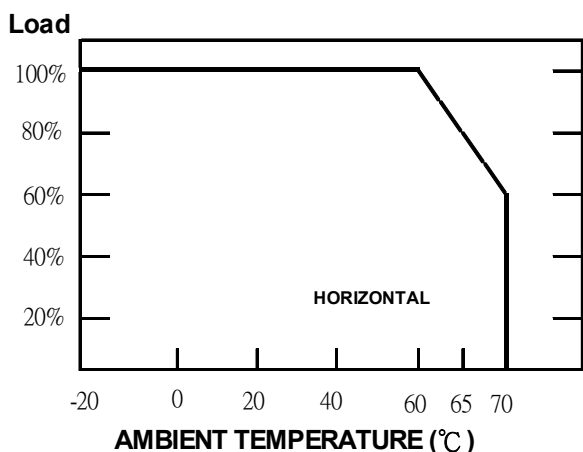


Specifications

Model No.		GP-RS10P-12C	GP-RS10P-24C	GP-RS10P-36C	GP-RS10P-48C
Output	DC Voltage	12V	24V	36V	48V
	Rated Current Range	1000mA	500mA	350mA	250mA
	Rated Max. Power	12W	12W	12.6W	12W
	Efficiency	81%	83%	83%	84%
	DC Voltage Range	8 ~ 12V	14 ~ 24V	24 ~ 36V	26 ~ 48V
	Current Tolerance	±5%	±5%	±5%	±5%
	No Load Consumption (Max.)	< 0.5 W at 230VAC			
	Set up Time (Max)	< 500ms at full load			
Input	Voltage Range	90VAC ~ 264VAC			
	Frequency Range	47 Hz ~ 63 Hz			
	Power Factor Correction	≥ 0.88 at 120VAC , ≥ 0.8 at 240VAC			
	AC Current	0.2A at 115VAC / 0.1A at 230VAC			
	Inrush Current	11A at 115VAC / 15A at 230VAC			
	Leakage Current	<0.25mA / 230VAC			
Protections	Over Temperature	Tc : 95°C ± 10°C; Type : Hiccup Mode			
	Short Circuit	Type : Hiccup Mode			
Environment	Operation Temp.	-20°C ~60°C full load. (Refer to output load derating curve)			
	Operation Humidity	20% ~ 95% RH non-condensing.			
	Storage Temp.	-40 ~ +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 : 2015, EN61347-2-13 : 2014			
	Withstand Voltage	I/P - O/P: 3.75 KVAC			
	Isolation Resistance	I/P-O/P :100m ohms / 500VDC at 25°C			
	EMI Conduction & Radiation	meet EN55015,FCC part15 B			
	EMS Immunity	meet EN61547(EN61000-4-2, 3, 4, 5, 6, 8,11), EN61000-3-2,EN61000-3-3			

Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	114 x 37.4 x 25mm; 182.5g/pcs
Remark	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 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.	

Derating Curve



Mechanical Specification

