

## Model: GP-HS10P-52C (11.96 Watts single output)

### ■ Features

- For High Brightness Light-Emitting Diode products.
- Universal AC input 90~264VAC.
- Fully isolated plastic case.
- Built-in constant current limiting design.
- No Load Consumption <0.5W.
- Meet application for ErP (EU) 2019/2020.
- Operation from -20°C ~60°C full load.
- Protections: OTP/SCP.
- Class II power design without earth pin.
- IP67 class.

### ■ Approvals



### ■ Size

110 x 35 x 25 mm (L x W x H)

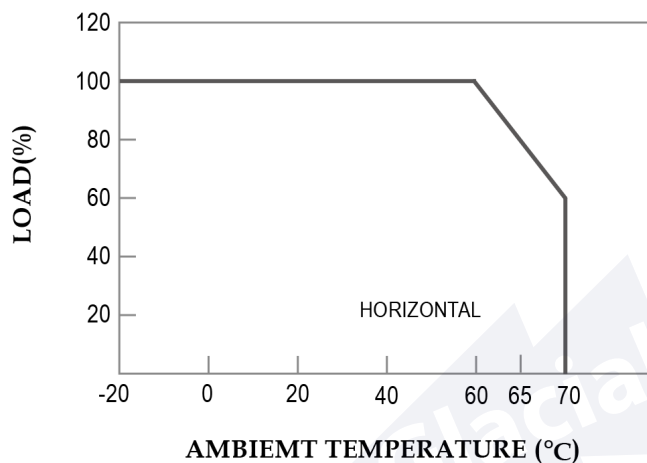


### ■ Specifications

Model No.		GP-HS10P-52C
Output	DC Voltage	52V
	Rated Current Range	230mA
	Rated Max. Power	11.96W
	Efficiency <small>note.1</small>	84%
	DC Voltage Range	30 ~ 52V
	Current Tolerance	±5%
	No Load Consumption (Max.)	<0.5W at 230VAC
	Set up Time (Max)	<500ms at full load
Input	Rated Voltage	100 ~ 240VAC    141 ~ 340VDC
	Voltage Range	90VAC ~ 264VAC
	Frequency Range	47 Hz ~ 63 Hz
	Power Factor Correction	≥0.88/120VAC , ≥0.8/240VAC
	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,EN61347-2-13,UL8750 refer 1310
	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 EN61000-4-2, 3, 4, 5, 6, 8, 11 , EN61547
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	110 x 35 x 25mm; 136.2g/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

