

Model: GP-TS10P-xxL Series Triac Dimming

Features

- Dimmer Output Current Range from 10% to 100%.
- Compatible With Most Standard Incandescent AC Triac Dimmers.
- Fully Isolated Plastic Case.
- Operation from -20°C~ 50°C Full Load.
- No Flicker With Adjust Luminance.
- Protections: SCP /OTP.
- IP65 Class.

Approvals



Size

108 x 30.5 x 26 mm (L x W x H)

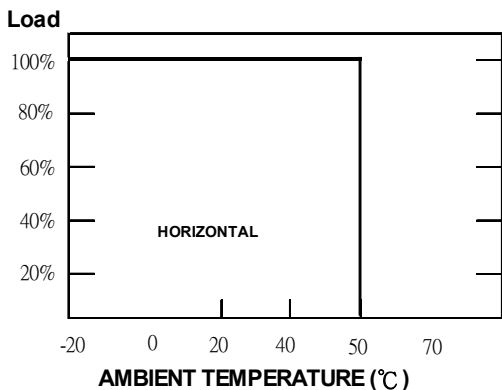


Specifications

Model No.		GP-TS10P-15L	GP-TS10P-21L	GP-TS10P-30L	GP-TS10P-30L1	GP-TS10P-42L
Output	Constant Current Region	7 ~ 15V	10 ~ 21V	15 ~ 30.5V	15 ~ 30.5V	24~42V
	Rated Current	700mA	500mA	350mA	270mA	270mA
	Current Tolerance	±7%	±7%	±10%	±10%	±10%
	Rated Power	10.5W	10.5W	10.67W	8.23W	11.34W
	Efficiency	75%	76%	78%	75%	78%
Input	Voltage Range	90 ~ 130VAC				
	Frequency Range	47 Hz ~ 63 Hz				
	AC Current (Max.)	0.30A				
	Power Factor	>0.9 at 110VAC without dimmer				
	Inrush Current (Max.)	25A				
Protections	Short Circuit	Yes, no damage.				
	Over Temperature	Detect key component : 95°C ± 10°C Type: foldback current limit				
Environment	Operation Temp.	-20°C ~50°C (Refer to output load derating curve)				
	Operation Humidity	20% ~ 90% RH non-condensing.				
	Storage Temp.	-40 ~ +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	Compliance EN61347-1,EN61347-2-13 ,independent;IP65 Approved.				
	Withstand Voltage	I/P-O/P: 3.75KVAC				
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25°C				
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15				
	Harmonic Current	Compliance to EN61000-3-2 Class C				
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,11;EN61547				

Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	108 x 30.5 x 26mm; 119.5g/pcs
Note	1. Constant current operation region is within 50%~100% rated output voltage. This is the suitable operation region for LED related applications, but please confirm special electrical requirements for some specific system design. 2. Efficiency : TS10P-30L/21L/15L at 120V AC and TS10P-30H/21H/15H at 240VAC, all specifications not specially mentioned are measured at 25°C ambient temperature.	

Derating Curve



Mechanical Specification

