

Model: GP-HS08N Series

Features

- Universal AC Input from 90 to 295VAC.
- Constant Current Mode.
- Protections: OCP and SCP.
- Complete Rated Current from 250mA to 680mA.
- Compliant with ErP EU_1194_2012, Stage 3 Directives for Energy Related Products.
- No Load Consumption < 0.5W.
- Set up Time < 0.5 Sec at 230VAC.
- IP67 Rated.

Approvals



Size

57*41*24 mm (L*W*H)

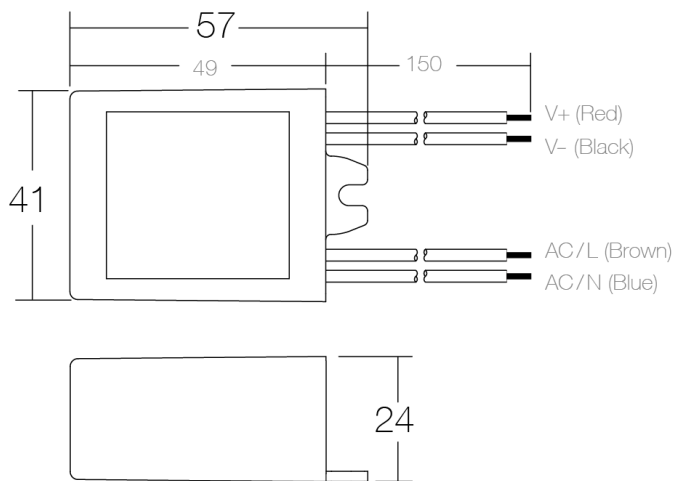


Specifications

Model No.		GP-HS08N-11C	GP-HS08N-14C	GP-HS08N-21C	GP-HS08N-21C1	GP-HS08N-28C
Output	DC Voltage	11V	14.5V	21V	24V	28V
	Constant Current Region Note.4	2 ~ 11V	2 ~ 14.5V	4 ~ 21V	10 ~ 24V	14 ~ 28V
	Rated Current	680mA	500mA	350mA	300mA	250mA
	Current Tolerance	±7%				
	Rated Power	7.48W	7.25W	7.35W	7.2W	7W
	Efficiency at 240VAC (Typ.)	73%	75%	75%	75%	78%
	Voltage Tolerance Note.3	±5%				
	Set up Time (Max)	< 0.5 Sec at 230VAC				
Input	Voltage Range	90VAC ~ 295VAC				
	Rated Voltage	100 – 240VAC / 277VAC for North American Only				
	Frequency Range	50 Hz - 60 Hz				
	Inrush current (Typ.)	7.5A at 230VAC				
	Power Factor	> 0.5 at 230VAC				
	No Load Consumption	< 0.5W at 230VAC				
	AC Current (Max.)	0.2A				
Protections	Over Current	Constant current mode protection				
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared				
Environment	Operation Temp.	-20 ~ +50°C				
	Operation Humidity	20% ~ 90% 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	Compliance EN61347-1,EN61347-2-13 ,IP67
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P :100M ohms / 500V DC at 25°C
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3
	EMS Immunity	Compliance to 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)	57 x 41 x 24mm; 77.4g/pcs
Remark	1. All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance 4. Constant current operation region is within 75%~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.	

Mechanical Specification



Derating Curve

