

Model: HS10P Series

Approvals: IP67 CE FC 
Class 2 LED Driver 

12 Watts single output

Features:

Size: 110 * 35 * 25 mm (L*W*H)

- * For High Brightness Light-Emitting Diode products.
- * Universal AC input 90~264Vac.
- * Fully isolated plastic case
- * Built-in constant current limiting design.
- * Operation from -20°C~60°C full load.
- * Protections: OTP / SCP .
- * Class II power design without earth pin.
- * IP67 class



Specifications:

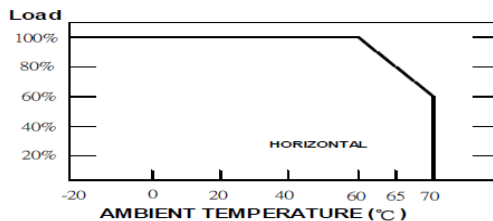
HS10P-xxC xx: for Output Voltage

C: mean that Constant Current Mode

Model No.	HS10P-12C	HS10P-24C	HS10P-36C	HS10P-48C	
Output	DC Voltage	12V	24V	36V	48V
	Rated Current Range	1000mA	500mA	350mA	250mA
	Rated Max. Power	12W	12W	12.6W	12W
	Efficiency note 1	81%	83%	83%	84%
	DC Voltage Range	8 ~ 12V	14 ~ 24V	24 ~ 36V	26 ~ 48V
	Current Tolerance	±5%	±5%	±5%	±5%
	Set up Time (Max)	<500ms at full load			
Input	Voltage Range	90 Vac ~ 264 Vac			
	Frequency Range	47 Hz ~ 63 Hz			
	Power Factor Correction	≥ 0.88/120VAC , ≥ 0.8/240VAC			
	AC Current	0.2A@115VAC / 0.1A@230VAC			
	Inrush Current	11A at 115Vac / 15A at 230Vac			
	Leakage Current	<0.25mA / 230 Vac			
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			
Safety & EMC	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.			
	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			
Others	EMS Immunity	meet EN61000-4-2, 3, 4, 5, 6, 8, 11 , EN61547			
	MTBF	200K hours min.MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	110*35*25mm			
	Packing(L*W*H)/Carton	460*270*210mm			
Remark	Weight	100pcs / 14kg			
	1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25° 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 meet EMC directive.					

Preliminary Specification

Derating Curve



Mechanical Specification

