

**Model:** HS10P Series

**Approvals:** IP67 CE FC

**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:**

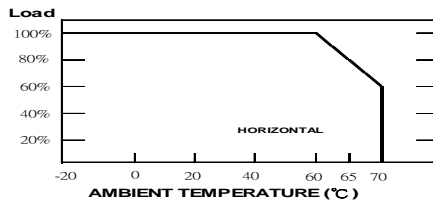
HS10P-xxC xx: for Output Voltage

C: mean that Constnt Current Mode

Model No.	HS10P-12C	HS10P-24C	HS10P-36C	HS10P-48C	
<b>Output</b>	DC Voltage	12V	24V	36V	48V
	Rated Current Range	1000mA	500mA	350mA	250mA
	Rated Max. Power	12W	12W	12.6W	12W
	Efficiency <small>note.1</small>	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				
<b>Input</b>	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			
<b>Protections</b>	Over Temperature	Tc : 95°C±10°C Type : Hiccup Mode			
	Short Circuit	Type : Hiccup Mode			
<b>Environment</b>	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			
<b>Safety &amp; EMC</b>	Safety Standards	meet EN61347-1,EN61347-2-13			
	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			
	EMS Immunity	meet EN61000-4-2, 3, 4, 5, 6, 8, 11			
<b>Others</b>	MTBF	200K hours min.MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	110*35*25mm			
	Packing(L*W*H)/Carton	460*270*210mm			
<b>Weight</b>		100pcs / 14kg			
	<b>Remark</b>	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.			

Preliminary Specification

**Derating Curve**



**Mechanical Specification**

