

**Model:** HS15P Series

**Approvals:** IP67 CE FC   
Class 2 LED Driver 

**15 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:**

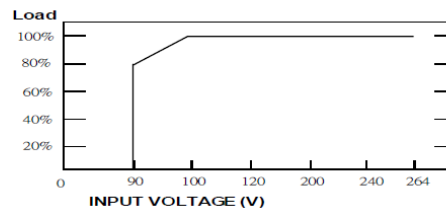
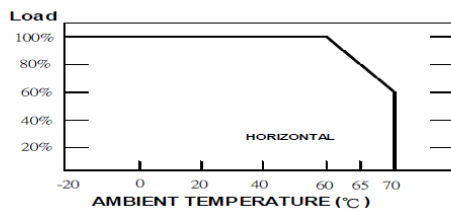
HS15P-xxC xx: for Output Voltage

C: mean that Constant Current Mode

Model No.	HS15P-12C	HS15P-22C	HS15P-30C	HS15P-42C
DC Voltage	12V	22V	30V	42V
Rated Current Range	1250mA	700mA	500mA	350mA
Rated Max. Power	15W	15.4W	15W	14.7W
Efficiency $\eta$ at 1	81%	83%	83%	84%
DC Voltage Range	8 ~ 12V	14 ~ 22V	24 ~ 30V	26 ~ 42V
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 $\geq 0.88/120VAC, \geq 0.8/240VAC$			
	AC Current 0.25A@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.			
Others	EMI Conduction&Radiation meet EN55015,FCC part15 B			
	EMS Immunity meet EN61000-4-2, 3, 4, 5, 6,11,EN61547			
	MTBF 200K hours min.MIL-HDBK-217F(25°C)			
	Dimension(L*W*H) 110*35*25mm			
Remark	Packing(L*W*H)/Carton 460*270*210mm			
	Weight 100pcs / 14kg			
	1. All parameters: NOT specially mentioned are measured at 240Vac 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 directives.			

Preliminary Specification

**Derating Curve**



**Mechanical Specification**

