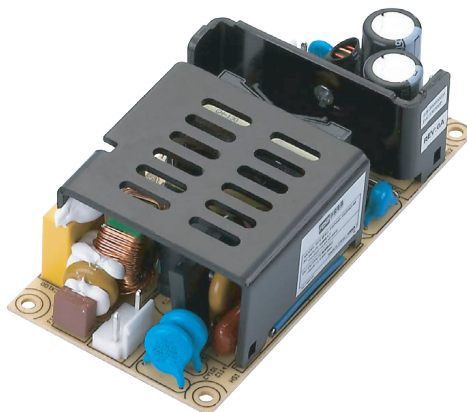


45W Single Output LED Power Supply

Features

- For LED Indoor Office/ Commercial Application
- Compact Size 2" x 4" x 1.2"
- Built in PFC Function
- Built in Constant Current Limiting Design (C.V. + C.C. Mode)
- Wide Range Input 100-240Vac
- 100% Burn-in Test
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015
- Protections: Short Circuit/ Over Voltage/ Over Temperature
- Class 2 power unit



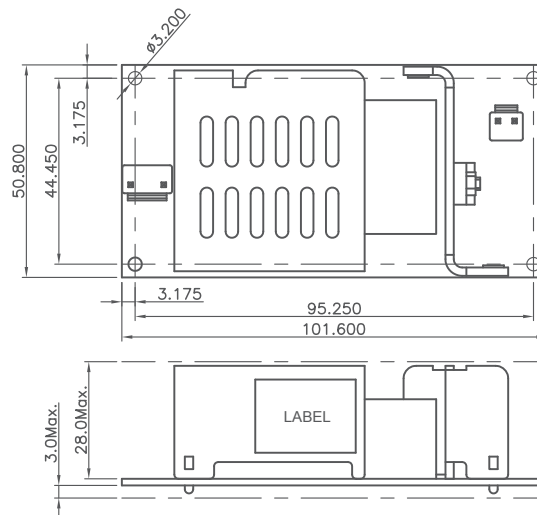
C C					
Model Name	FSP045IWCS0120	FSP045IWCS0190	FSP045IWCS0240	FSP045IWCS0360	FSP045IWCS0480
Rated Power	45.6W	45.6W	45.6W	45W	45.6W
Output Voltage [2]	9-12V	14-19V	18-24V	26-36V	36-48V
Rated Current	3800mA	2400mA	1900mA	1250mA	950mA
Efficiency (typ.)	84%	86%	86%	87%	88%
Input Voltage/ Frequency	100~240Vac/ 47~63Hz				
Power Factor (max.)	≥0.9				
AC Current (max.)	<0.65A				
Leakage Current	< 0.75mA/240Vac				
Turn On Delay Time,Rise time	≤500ms max / 80ms				
Inrush Current (max.)	42A / 230Vac cold start				
Output Current Accuracy	±5%				
Ripple & Noise [3]	4.2Vp-p	4.3Vp-p	3.8Vp-p	4.2Vp-p	4.8Vp-p
Line Regulation	±3%				
Operating Temperature	-20°C~~+50°C	-20°C~~+60°C			
Operating Humidity	20~95% RH				
Storage Temperature	-40~~+85°C				
Storage Humidity	10~95%RH				
Life Time	50,000 hours				
Vibration	0.01g²/Hz at 5 Hz sloping to 0.02g²/Hz at 20 Hz, and maintaining 0.02g²/Hz from 20 Hz to 500 Hz at a constant acceleration of 3.13G for 20 minutes per axis for all three axes				
Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
Over Current Protection [3]	100~120%				
	Protection type : Constant current limiting, recovers automatically after fault condition is removed				
Over Voltage Protection	14~16V	24~30V	28~35V	45~52V	57~63V
	Protection type : Shut down o/p voltage, re-power on to recover				
Surge Voltage	Differential Mode≥1KV; Common Mode≥2KV				
Withstand Voltage (Hipot)	I/P-O/P 3750Vac, I/P-FG 1875Vac				
Isolation Resistance	I/P-O/P I/P-FG: 100M ohm @ 500Vdc/ 25°C				
Safety Standards	EN61347-1, EN61347-2-13, UL8750				
EMC Standard	Compliant with EN55015 CLASS B				
Dimension (LxWxH)	101.6 x 50.8 x 28 mm				
Net Weight / Packing	165g				

Notes:

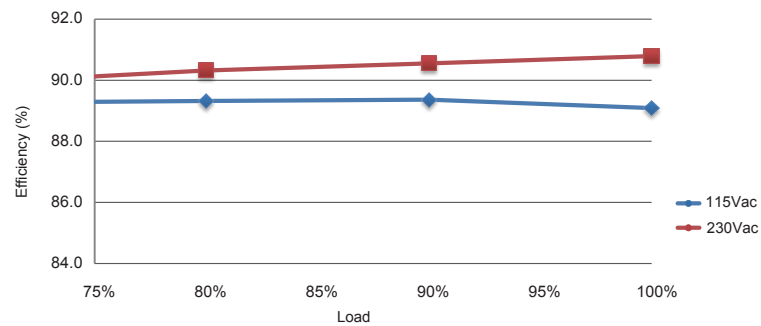
1. Data that didn't mention is tested under 230 Vac/ 50Hz full load condition.
2. Data at full load and rated voltage, 230Vac/50Hz input, and 30°C ambient temperature unless otherwise specified.
3. The ripple current must be measured under the condition of AC coupling & 20MHz bandwidth (Rated input and rated output)
4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

MECHANICAL DIMENSION

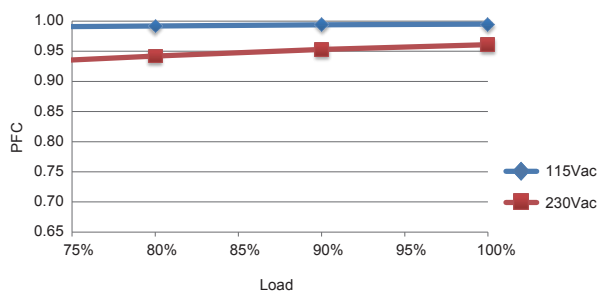
Unit: mm



Efficiency



PFC vs Loading



THD vs Input Voltage

