

Features

- For LED Indoor Office & Retail Application
- Output Current Selectable by DIP Switches
- Wide Input Range for Worldwide use (up to 305Vac)
- Suitable to Dry, Damp Location
- 1-10V Dimming Function
- High Reliability & Long Life 50,000hrs
- Constant Current Design/ Low Inrush Current/ Low Ripple Current
- Low Energy Consumption at Standby
- Protections: Short Circuit/ Over Voltage/ Over Temperature
- Class 2 Power Unit
- Safety: Meet IEC61347-2-13, UL8750, EMI EN55015



SPECIFICATION

Model Name		FSP32-SZAC-W					
Output	Rated Power	15.75W	22.5W	31.5W	32W	31.45W	32W
	Output Voltage	20-45V	20-45V	20-45V	20-40V	20-37V	20-32V
	Rated Current	350mA	500mA	700mA	800mA	850mA	1000mA
	Output Current Accuracy	±5%	±5%	±5%	±5%	±5%	±5%
	Output Ripple Current (typ.) ^[2]	±5%	±5%	±5%	±5%	±5%	±5%
	Line Regulation	±3%	±3%	±3%	±5%	±5%	±5%
Turn On Delay Time,Rise time		≤600ms max ; ≤80ms max					
Input	Input Voltage/ Frequency ^[3]	108~305Vac/ 47~63Hz (Please refer to Static Curve)					
	Power Factor (typ.)	PF ≥ 0.95/120Vac, PF ≥ 0.92/230Vac, PF ≥ 0.9/277Vac at full load(32W max.)					
	Efficiency (max.)	80%	83%	86%	86%	86%	86%
	Total Harmonic Distortion	THD <20% (32W max.)					
	AC Current (typ.)	≤0.35A /120Vac ; ≤0.2A /230Vac ; ≤0.18A /277Vac					
	Inrush Current (typ.)	≤10A at 230Vac, 25°C cold start					
	Leakage Current	≤0.5mA/240Vac					
Environment	Operating Temperature	-30°C~+50°C			-30°C~+45°C		-30°C~+40°C
	Operating Humidity	20~90% RH non-condensing					
	Storage Temperature, Humidity	-40°C~+85°C, 10%~95%RH					
	Vibration	0.02g ² /Hz at 5 Hz sloping to 0.04g ² /Hz at 20 Hz, and maintaining 0.04g ² /Hz from 20 Hz to 500 Hz at a constant acceleration of 4.43G for 30 minutes per axis for all three axes					
Protection	Over Voltage Protection	<70V					
	Short Circuit Protection	Protection type: Recovers automatically after fault condition is removed					
	Over Temperature Protection	Recovers automatically after fault condition is removed					
Safety & EMC	Safety Standards	Design Refer to UL8750, CSA-C22.2 No. 250.13, EN61347-1, EN61347-2-13					
	EMC Standard	Compliant with EN55015/CISPR22 CLASS B, Compliant with EN61000-3-2 Class C, EN61000-3-3					
	Surge Protection	Differential Mode: 2KV					
	Withstand Voltage (Hipot)	I/P-O/P 3000Vac					
Others	Isolation Resistance	I/P-CASE ,O/P-CASE: 25M ohm @ 500Vdc/ 25°C					
	Life Time [5]	50,000 hours at Tcase of ≤ 45°C					
	MTBF	200,000 hours, MIL-HDBK-217F(25°C)					
	Dimension (LxWxH)	123 x 80 x 22.5 mm					
	Net Weight / Packing	185g ; 40 pcs / box					

Notes:

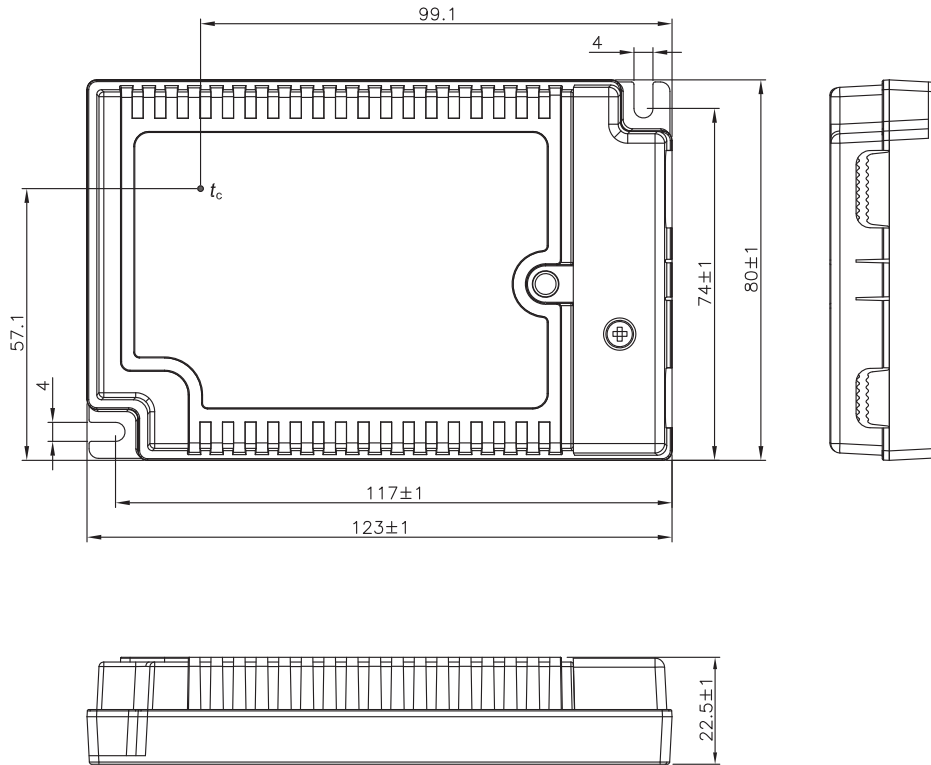
1. All data NOT specially mentioned are measured at 230Vac/ 50Hz input, full load and 25°C of ambient temperature
2. The ripple current must be measured under the condition of AC coupling & 20MHz bandwidth. (Rated input and rated output)
3. Derating may be needed under low input voltages. Please check the static characteristics for more details
4. Measured at rated output voltage.
5. Measured at 230Vac/50Hz input, rated load.
6. 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.



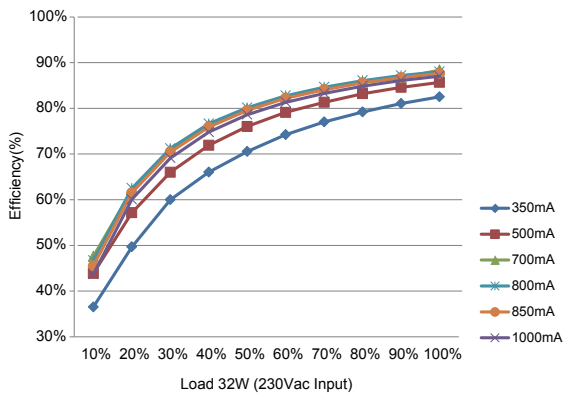
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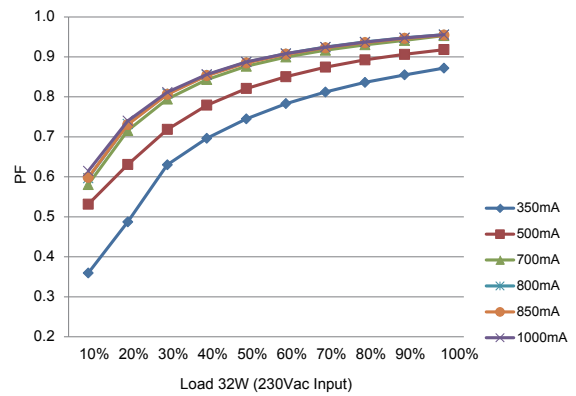
Unit: mm



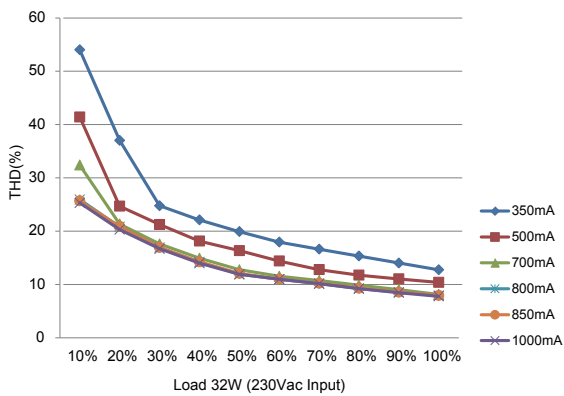
Efficiency



PFC vs Loading



THD vs Loading



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