



Size : 159*98*38mm

Features:

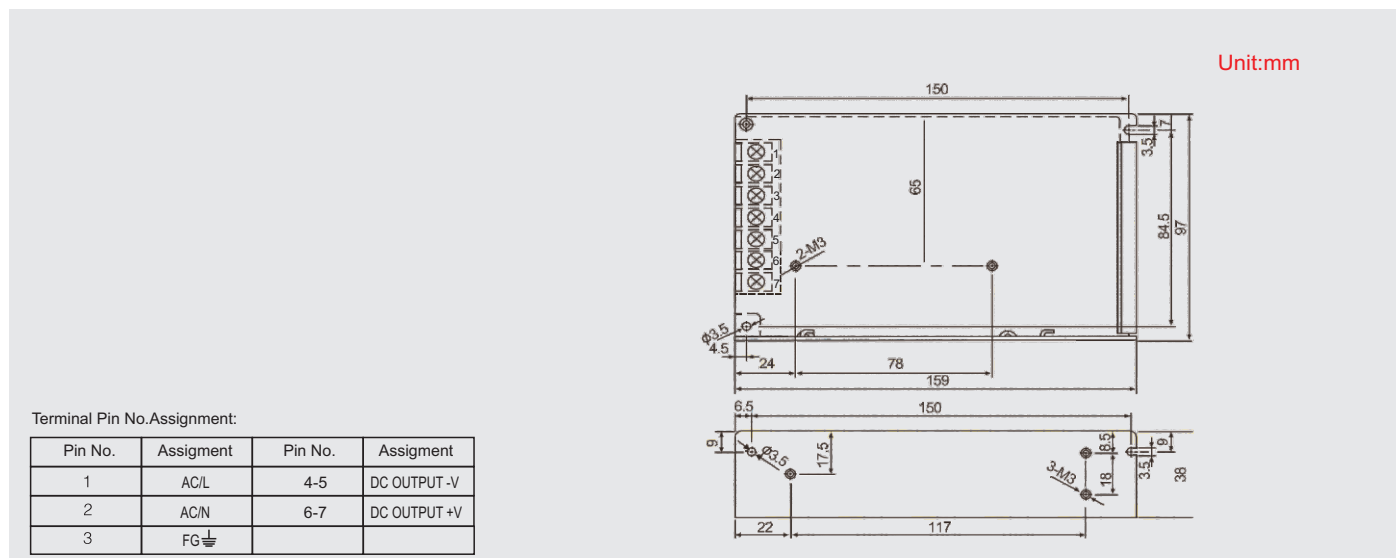
- Universal full range AC input power
- Built-in EMI filter, tiny ripple
- Protections: short circuit/overload/over voltage
- Cooling by free air convection
- 43,000 hours of continuous operation at 25 °C
- 100% full load burn-in test
- Compliance to IEC/EN60335-1 (PD3) and IEC/EN61558-1,2-16 suitable for home appliance
- 2 years warranty

SPECIFICATION

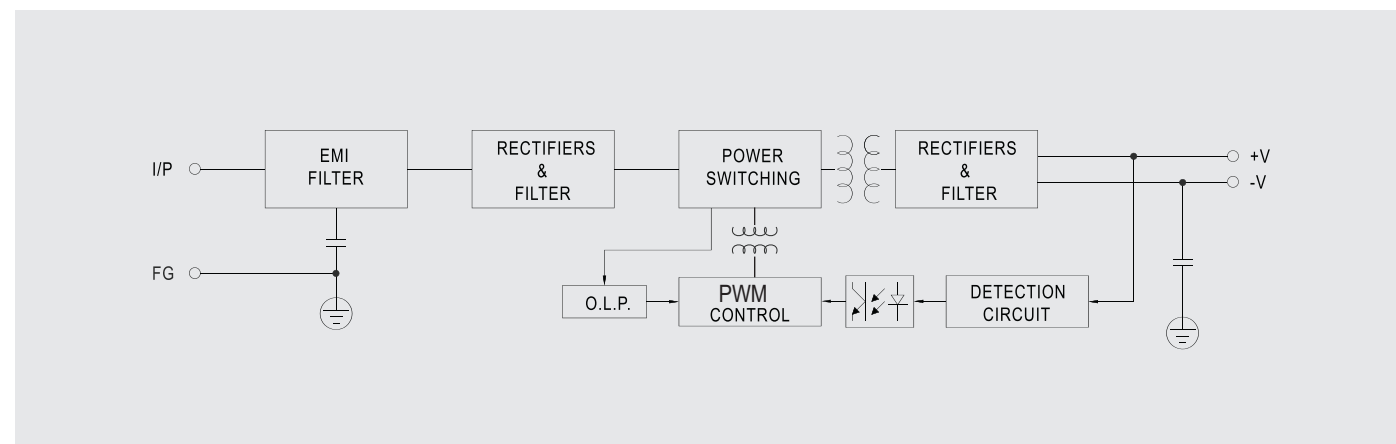


Model		SA5C150W05	SA5C150W12	SA5C150W15	SA5C150W24	SA5C150W48
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	48V
	RATED CURRENT	30A	12.5A	10A	6.25A	3.1A
	CURRENT RANGE	0 ~ 30A	0~12.5A	0 ~ 10A	0 ~ 6.25A	0 ~ 3.1A
	RATED POWER	150W	150W	150W	150W	150W
	RIPPLE&NOISE(Max)	80mVp-p	100mVp-p	120mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ.RANGE	4.5 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V
	VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP,RISE TIME	500ms, 20ms/230VAC 500ms, 20ms/115VAC(full load)				
HOLD UP TIME (Typ.)	30ms/230VAC 25ms/115VAC (full load)					
INPUT	VOLTAGE RANGE	85 ~ 132VAC/176 ~ 264VDC by selected switch or 248~373VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY(Typ.)	80%	84%	84%	86%	86%
	AC CURRENT(Typ.)	2.4A/110VAC 1.2A/230VAC				
	INRUSH CURRENT(Typ.)	36A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVERLOAD	110~ 150% rated output power Protection type:Hiccup mode,recovers automatically after fault condition is removed				
	OVER VOLTAGE	6 ~ 7V 14.4 ~ 16.8V 18 ~ 21V 28.8 ~ 33.6V 57.6 ~ 67.2V Protection type:Hiccup mode,recovers automatically after fault condition is removed				
ENVIRONMENT	WORKING TEMP.	-10 ~ +60℃ (Refer to “derating curve”)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP.,HUMIDITY	-20 ~ +85℃, 10% ~ 95% RH				
	TEMP.COEFFICIENT	±0.03%/℃ (0 ~ 50℃)				
	VIBRATION	10 ~ 500Hz, 2G 10 min/1cycle,60min.each X、Y、Z axes				
SAFETY	SAFETY STANDARDS	GB4943.1, EN 60950.1 APPROVED				
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH				
	EMC EMISSION	Compliance to EN61000-3-2:2014/EN61000-3-3:2013				
	EMC IMMUNITY	Compliance to EN 55032:2015/EN55035:2017/60950-1				
OTHERS	MTBF	≥327.9K hrs MIL-HDBK-217F(25℃)				
	DIMENSION	159*98*38mm (L*W*H)				
	PACKING	0.45Kg/PCS,30PCS/13.5KG/CTN,35*23*33CM				
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25℃ of ambient temperature. 2. Ripple&noise are measured at 20MHz of bandwidth by using a 12 "twisted pair -wire terminated with a 0.1uf and 47uf parallel capacitors. 3. Tolerance:includes set up tolerance,line regulation and load regulation. 4. Derating output is required under low input voltage. Please refer to the derating curve for details. 5. The power supply should be considered as a part of the components in the system. All EMC tests will test the test samples on a metal iron plate with a thickness of 1mm, a length of 360mm * width of 360mm.					

Mechanical Specification



Block Diagram



Derating Curve

Static Characteristic

