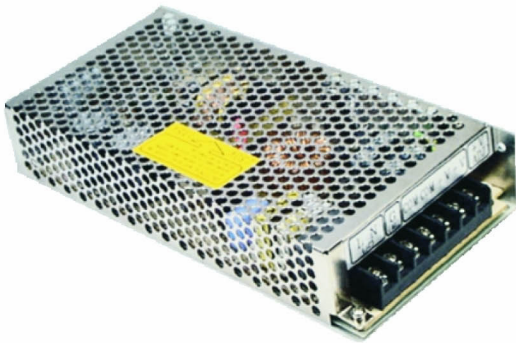


150W Mini Size Type Power Supply

SA5C150W series

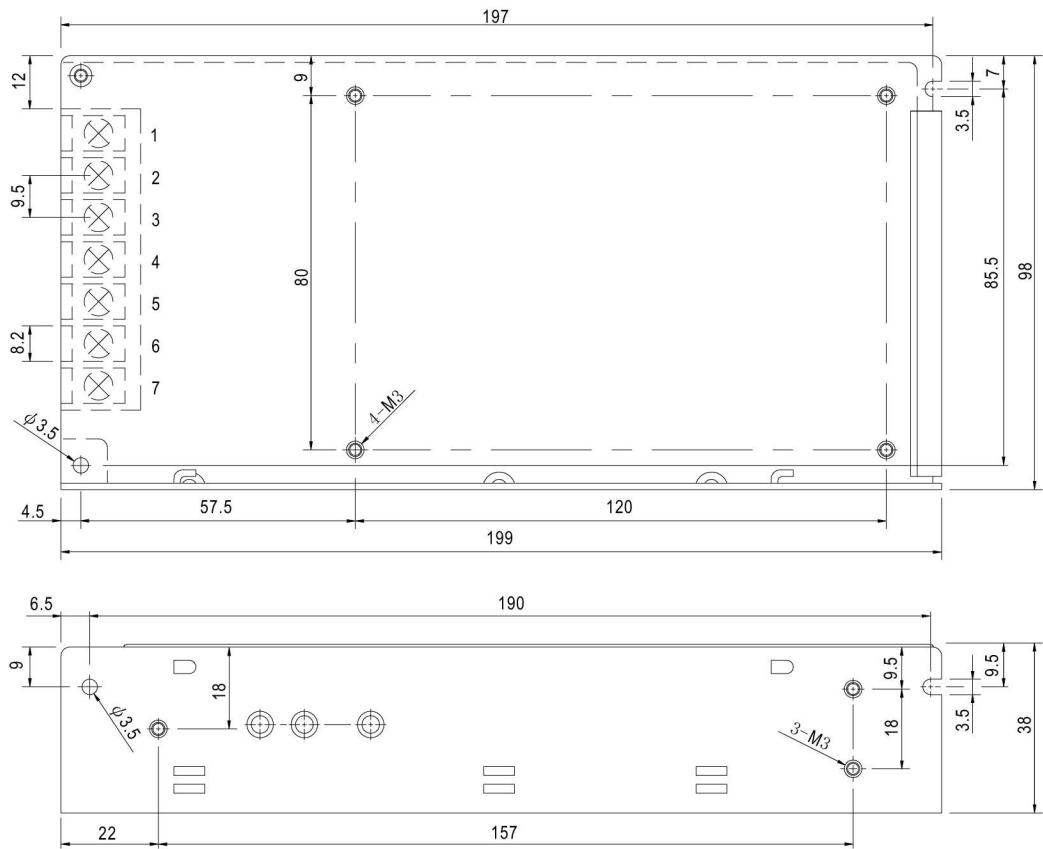


- Features :**
- AC input range 85~132VAC or 170-264VAC
 - Protections: Short circuit/Over load/Over voltage
 - Cooling by free air convection
 - 100% full load burn-in test
 - LED indicator for power on
 - Small volume ,High efficiency
 - 2 years warranty

MODEL		SA5C150W05		SA5C150W08		SA5C150W12		SA5C150W15		SA5C150W24	
OUTPUT	DC VOLTAGE	5V		7.5V		12V		15V		24V	
	RATED CURRENT	30A		20A		12.5A		10A		6.5A	
	CURRENT RANGE	0 ~ 30A		0 ~ 20A		0 ~ 12.5A		0 ~10A		0 ~ 6.5 A	
	RATED POWER	150W		150W		150W		150W		150W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p		150mVp-p		120mVp-p		120mVp-p		120mVp-p	
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5V		6 ~ 8.3V		10.6 ~ 13.2V		13.2 ~ 16.5V		21 ~ 28V	
	VOLTAGE TOLERANCE Note.3	±2.0%		±1.0%		±1.0%		±1.0%		±1.0%	
	HOLD UP TIME	28ms/230VAC 20ms/115VAC (at full load)									
	SETUP, RISE, HOLD TIME	100ms, 50ms, 20ms at full load									
INPUT	VOLTAGE RANGE	85~132VAC or 170-264VAC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	78%		80.5%		84%		84%		85%	
	AC CURRENT	3.2A/115VAC		1.6A/230VAC							
	INRUSH CURRENT (max.)	COLD START 50/230A 35A/115V									
	LEAKAGE CURRENT	<3.5mA / 240VAC									
PROTECTION	OVER LOAD	105 ~ 105% rated output power									
		Protection type : Constant current limiting,recovers automatically after fault condition is removed									
	OVER VOLTAGE	Protection type : Constant voltage limiting,recovers automatically after fault condition is removed									
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
SAFETY & EMC	SAFETY STANDARDS	Compliance to UL 60950-1									
	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									
	EM C STANDARD	Compliance to EN55022 Class B EN61000-6-1									
	EMS IMMUNITY	Compliance to IEC801,2,3,4 Light industry level,CriteriaA									
OTHERS	DIMENSION	199*98*38mm (L*W*H)									
	PACKING	0.679Kg, 30pcs/22.28Kg/0.0250CMB									
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation.										

Mechanical Specification

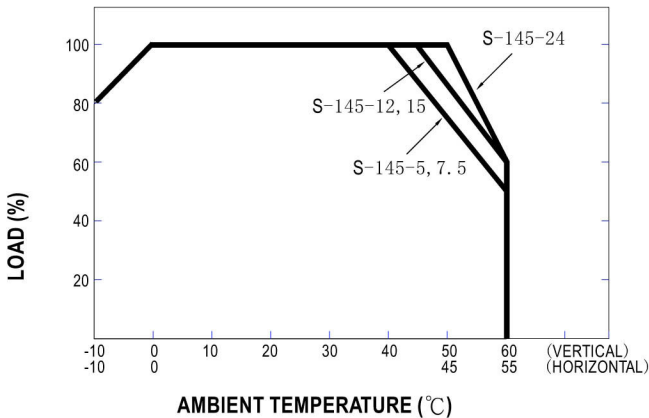
Unit : mm



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\perp$		

Derating Curve



Static Characteristics (24V)

