

Features :

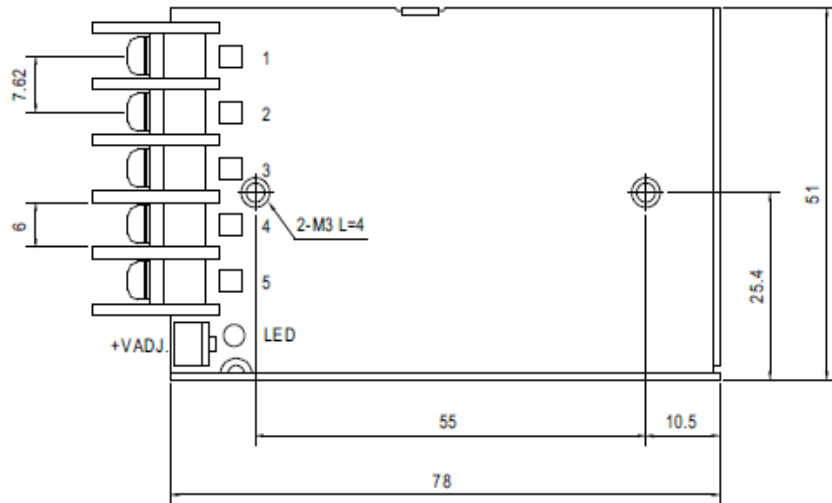
- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty



MODEL	HPS-U015S5M	HPS-U015S12M	HPS-U015S15M	HPS-U015S24M	HPS-U015S48M	
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	48V
	RATED CURRENT	3A	1.3A	1A	0.7A	0.35A
	CURRENT RANGE	0~3A	0~1.3A	0~1A	0~0.7A	0~0.35A
	RATED POWER	15W	15.6W	15W	16.8W	16.8W
	RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	4.75~5.5V	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	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1000ms,30ms/230VAC 1000ms,30ms/115VAC(at full load)				
HOLD UP TIME (Typ.)	100ms/230VAC 20ms/115VAC(at full load)					
INPUT	VOLTAGE RANGE	85-264VAC 120-370VDC				
	FREQUENCY RANGE	47~63Hz				
	EFFICIENCY (Typ.)	79%	81%	81%	85%	82%
	AC CURRENT (Typ.)	0.35A/115VAC 0.25A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START: 45A				
LEAKAGE CURRENT	< 2mA/ 240VAC					
PROTECTION	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	5.75 ~6.75V	13.8~16.2V	17.25 ~ 20.25V	27.6~32.4V	55.2~64.8V
	OVER TEMPERATURE	U1 Tj 140°C typically (U1) detect on main control IC Protection type : Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.	-20~60°C				
	WORKING HUMIDITY	20~90%RH,non-condensing				
	STORAGE TEMP., HUMIDITY	-20~85°C , 10~95% RH				
	TEMP. COEFFICIENT	±0.03%/°C( 0~45°C)				
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL60950-1,CB(IEC60950-1),CCCGB4943 approved				
	WITHSTAND VOLTAGE	I/p-0/P: 3KVAC I/p-FG: 1.5KVAC 0/p-FG: 0.5KVAC				
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: 100M Ohms / 500VDC / 25°C/ 70% RH				
	EMC EMISSION	Compliance to EN55022(C[SPR22])ClassB,EN61000-3-2,-3				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN55024,EN61000-6-1,light industry level, criteria A				
	MTBF	≥ 563.5K hrs. M IL-HDBK-217F (25°C )				
	DIMENSION	78*51*28mm (L*W*H)				

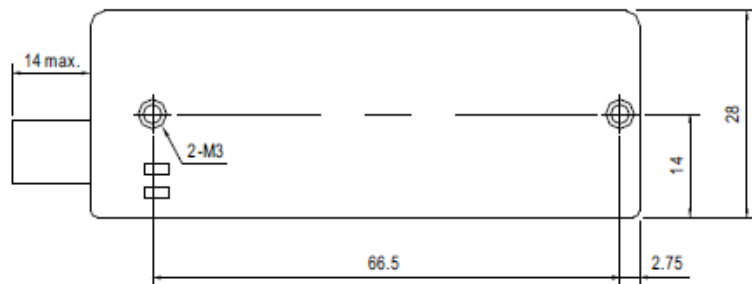
## Mechanical Specification

Case No. 931A Unit:mm



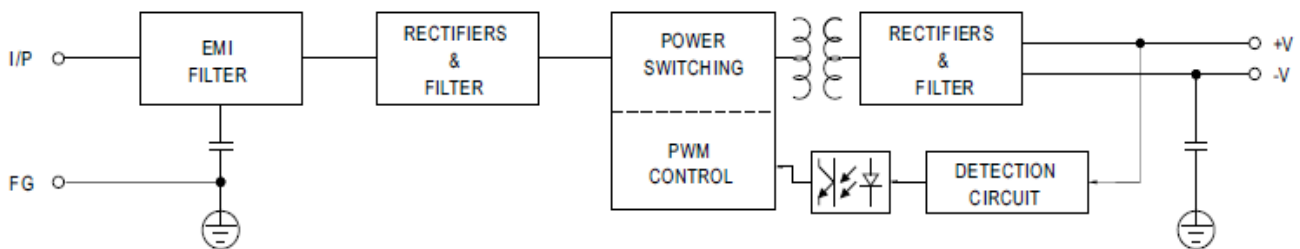
Terminal Pin No. Assignment

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



## Block Diagram

fosc : 67KHz



## Derating Curve

## Output Derating VS Input Voltage

