

### Features :

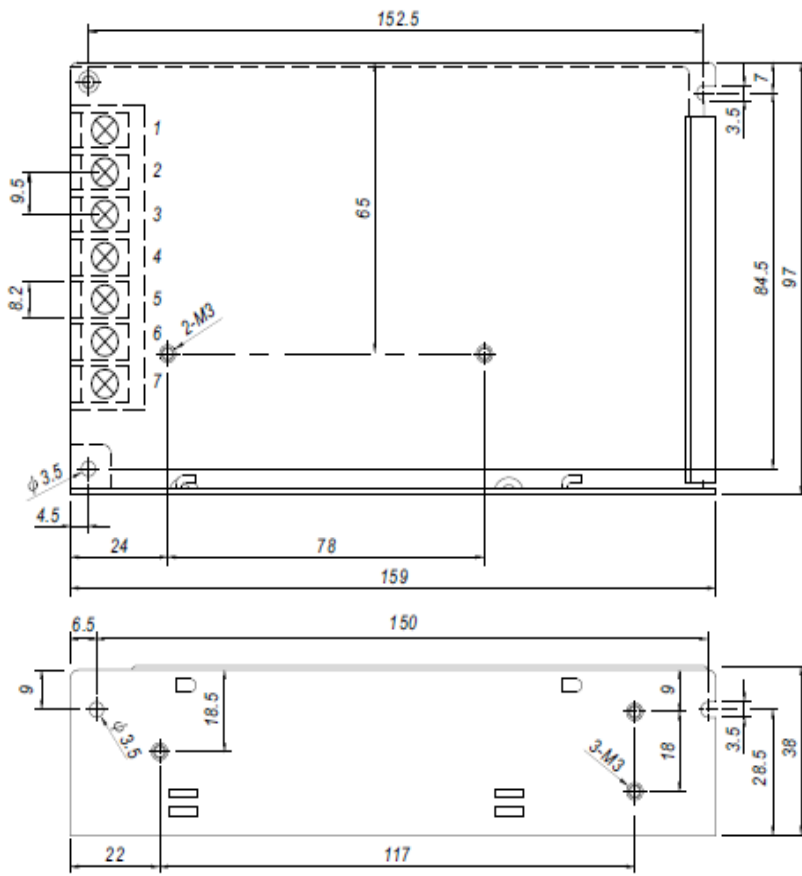
- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL	HPS-U101S3.3M	HPS-U101S5M	HPS-U101S12M	HPS-U101S15M	HPS-U101S24M	HPS-U101S48M	
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	20A	16A	8.5A	7A	4.5A	2.3A
	CURRENT RANGE	0~20A	0~16A	0~8.5A	0~7A	0~4.5A	0~2.3A
	RATED POWER	66W	80w	102W	105W	108w	110.4W
	RIPPLE & NOISE (max.)	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	3.2V~3.5V	4.75~5.5V	11.4~13.2V	14.25~16.5V	22.8~26.4V	45.6~52.8V
	VOLTAGE TOLERANCE	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	500ms,20ms/230VAC 1200ms,30ms/115VAC(at full load)					
HOLD UP TIME (Typ.)	100ms/230VAC 18ms/115VAC (at full load)						
INPUT	VOLTAGE RANGE	88264VAC 125373VDC(Withstand 300VAC surge for 5sec. Without damage)					
	FREQUENCY RANGE	47~63Hz					
	EFFICIENCY (Typ.)	74%	77%	81%	82%	84%	84%
	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START: 40A/230VAC					
	LEAKAGE CURRENT	< 2mA/ 240VAC					
PROTECTION	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8~4.45V	5.75~6.75V	13.8~16.2V	17.25~ 20.25V	27.6~ 32.4V	55.2~64 .8V
ENVIRONMENT	WORKING TEMP.	-25~70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20~90% RH,non-condensing					
	STORAGE TEMP., HUMIDITY	-40~85°C , 10~95% RH					
	TEMP. COEFFICIENT	±0.03%/°C ( 0~50°C)					
	VIBRATION	110 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL60950-1,TUVEN60950-1 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{CISPR22}ClassB,EN61000-3-2,'3					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61000-6-2(EN50082-2), heavy industry level, criteria					
OTHERS	MTBF	≥ 260.8K hrs. Ml L-H DBK-217F (25°C )					
	DIMENSION	159*97*38mm (L*W*H)					

## Mechanical Specification

Case No. 901C Unit:mm

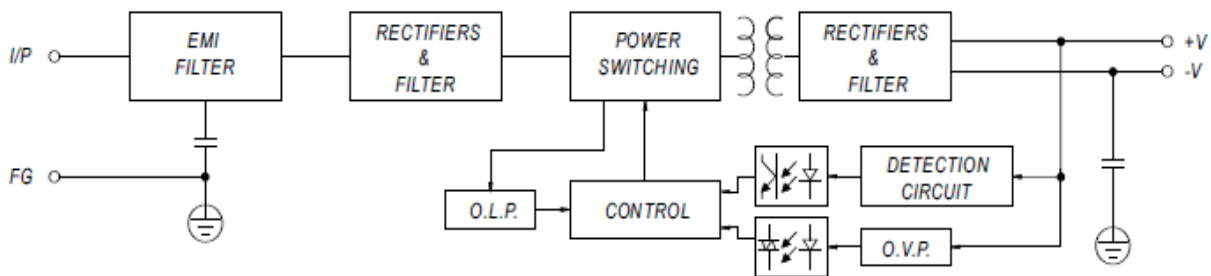


Terminal Pin No. Assignment

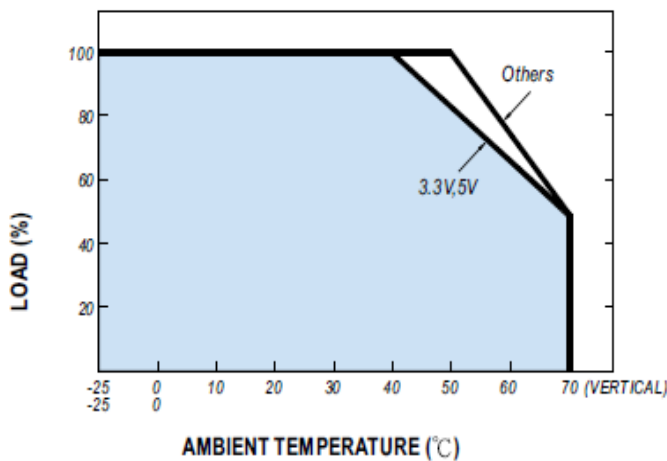
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG $\perp$		

## Block Diagram

fosc : 60KHz



## Derating Curve



## Static Characteristics

