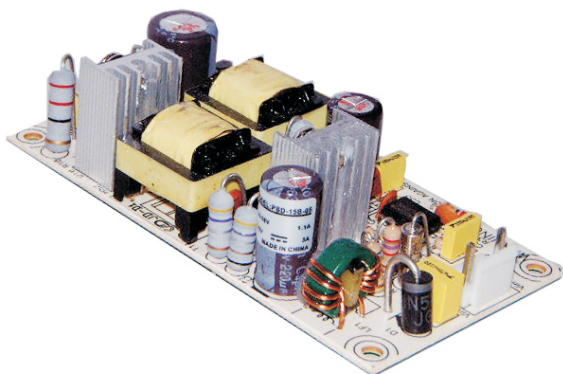




■ Features :

- Protections: Short circuit/Over load /Over voltage/Polarity
- Cooling by free air convection
- 100% full load burn-in test
- Low cost
- High reliability
- 1 year warranty

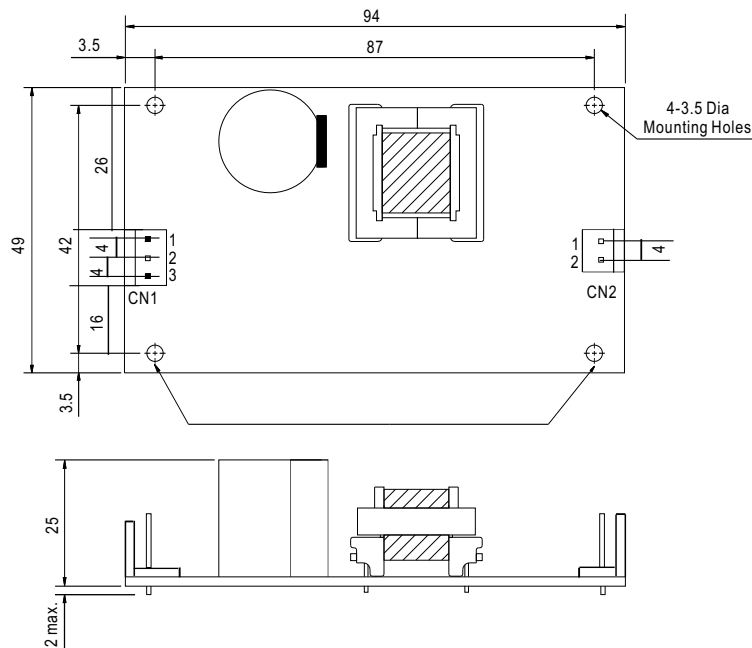
SPECIFICATION



MODEL		PSD-15A-05	PSD-15B-05	PSD-15C-05	PSD-15A-12	PSD-15B-12	PSD-15C-12	PSD-15A-24	PSD-15B-24	PSD-15C-24	
OUTPUT	DC VOLTAGE	5V			12V			24V			
	RATED CURRENT	3A			1.25A			0.6A			
	CURRENT RANGE	0 ~ 3A			0 ~ 1.25A			0 ~ 0.6A			
	RATED POWER	15W			15W			14.4W			
	RIPPLE & NOISE (max.) Note.2	50mVp-p			100mVp-p			100mVp-p			
	VOLTAGE TOLERANCE Note.3	± 2.0%			± 2.0%			± 2.0%			
	LINE REGULATION	± 1.0%			± 1.0%			± 0.5%			
	LOAD REGULATION	± 1.0%			± 1.0%			± 0.5%			
SETUP, RISE, HOLD UP TIME	2.5s, 25ms, ----/12VDC/24VDC/48VDC at full load										
INPUT	VOLTAGE RANGE	A: 9.2 ~18VDC (12VDC) B:18 ~ 36VDC (24VDC) C:36~72VDC(48VDC)									
	EFFICIENCY(Typ.)	74%	78%	78%	67%	78%	78%	72%	78%	79%	
	DC CURRENT(Typ.)	1.9A/12VDC 0.9A/24VDC 0.45A/48VDC									
PROTECTION	OVER LOAD	105% -150% rated output power									
		Protection type : hiccup mode ,recovery automatically after fault condition is removed									
	OVER VOLTAGE	5.75 ~ 6.75V				13.8~ 16.2V			27.6 ~ 32.4V		
		Protection type : Shut off o/p voltage, clamping by zener diode									
ENVIRONMENT	WORKING TEMP.	-10~ +60℃ (Refer to output load derating curve), 20 ~ 90% RH non-condensing									
	WORKING HUMIDITY	20 ~ 95% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.05%/℃ (0 ~ 50℃)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes									
SAFETY & EMC	WITHSTAND VOLTAGE	I/P-O/P:2KVAC									
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms/500VDC									
	EMI CONDUCTION&RADIATION	Compliance to EN55022(CISPR22) CLASS B									
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 6, 8 EN55024, EN61000-6-1 Light industry level, criteria A									
OTHERS	MTBF	740.4Khrs min. MIL-HDBK-217F(25℃)									
	DIMENSION	94*49*25mm (L*W*H)									
	PACKING	81mg;120pcs/10.72Kg									
NOTE	1. All parameters NOT specially mentioned are measured at normal input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20 MHz of bandwidth by using a 12inch twisted pair-wire terminated with a 0.1uf & 47uf capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation.										

Mechanical Specification

Unit:mm



DC Input Connector (CN1) : JST B3P-VH or equivalent

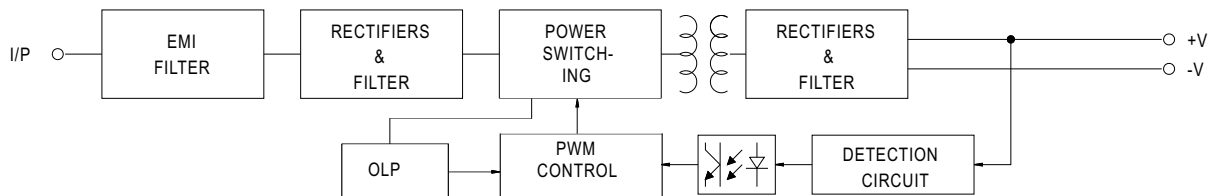
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	NC		
3	+V		

DC Output Connector (CN2) : JST B2P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	+V		

Block Diagram

fosc : 100KHz



Output Derating

