

■ Features :

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

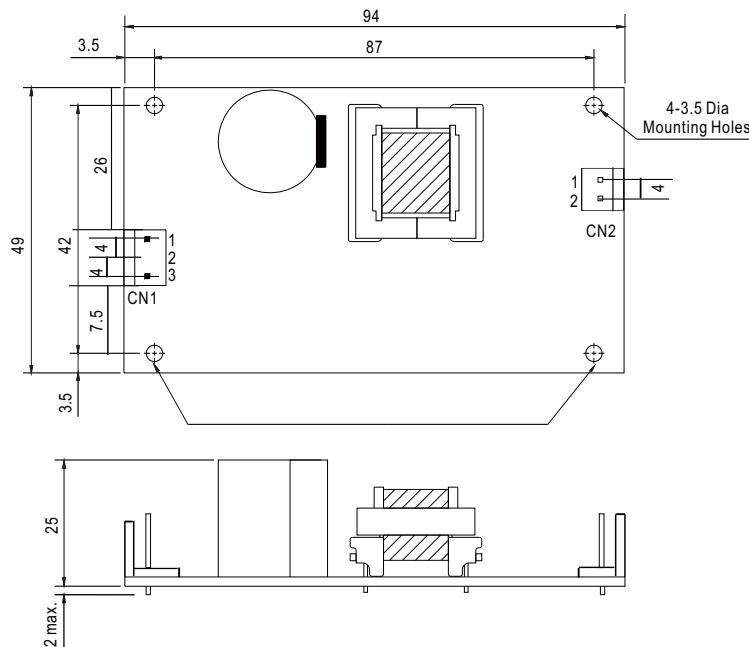
SPECIFICATION



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%
	DC CURRENT(Typ.)	1.9A/12VDC	0.9A/24VDC	0.45A/48VDC					79%
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		
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 95% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes							
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE	I/P-O/P: 1.5KVAC							
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms/500VDC / 25°C / 70% RH							
	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°C)							
	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°C 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. 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 230mm*230mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)								

■ Mechanical Specification

Unit:mm



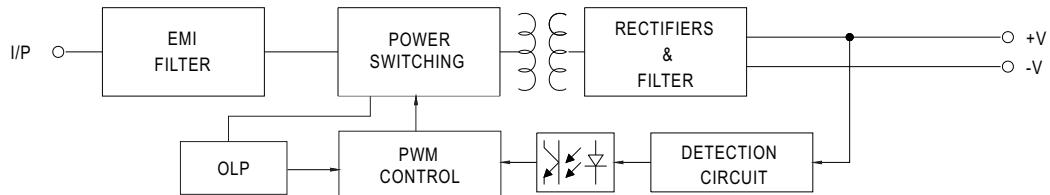
DC Input Connector (CN1) : JST B3P-VH or equivalent

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

