

■ Features :

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

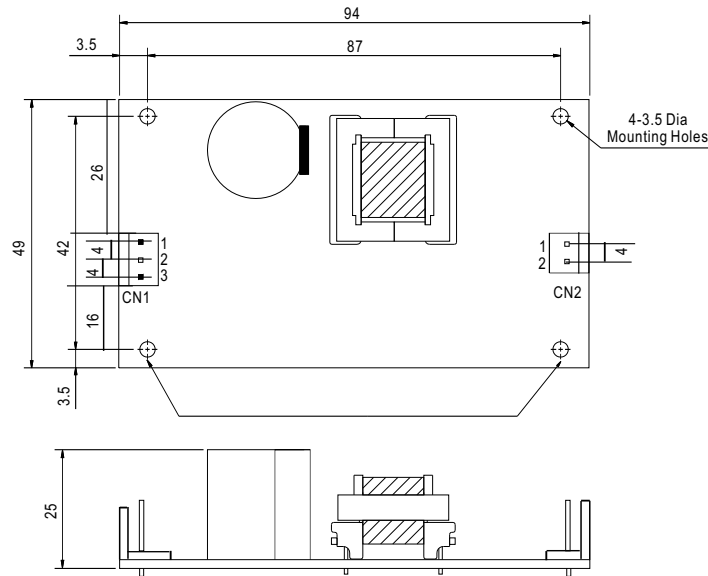


**SPECIFICATION**

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			12V			24V				
	RATED CURRENT			1.25A			0.6A				
	CURRENT RANGE			0 ~ 1.25A			0 ~ 0.6A				
	RATED POWER			15W			14.4W				
	RIPPLE & NOISE (max.) Note.2			50mVp-p			100mVp-p				
	VOLTAGE TOLERANCE Note.3			±2.0%			±2.0%				
	LINE REGULATION			±1.0%			±0.5%				
	LOAD REGULATION			±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	OVERLOAD 105% -150% rated output power										
	Protection type : Hiccup mode ,recovery automatically after fault condition is removed										
ENVIRONMENT	OVER VOLTAGE 5.75 ~ 6.75V 13.8~ 16.2V 27.6 ~ 32.4V										
	WORKING TEMP. -10 ~ +60℃ (Refer to output load derating curve)										
	WORKING HUMIDITY 20 ~ 95% RH non-condensing										
	STORAGE TEMP., HUMIDITY -20 ~ +85℃, 10 ~ 95% RH										
	TEMP. COEFFICIENT ±0.05%/℃ (0 ~ 50℃)										
SAFETY & EMC	VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	WITHSTAND VOLTAGE I/P-O/P:2KVAC										
	ISOLATION RESISTANCE I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH										
	EMI CONDUCTION&RADIATION Compliance to EN55022(CISPR22) CLASS B										
OTHERS	EMS IMMUNITY Compliance to EN61000-4-2, 3, 4, 6, 8 EN55024, EN61000-6-1, light industry level, criteria A										
	DIMENSION 94*49*25mm (L*W*H)										
	PACKING 81mg;120pcs/10.72Kg										
NOTE	<p>1. All parameters NOT specially mentioned are measured at normal input, rated load and 25℃ of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20 MHz of bandwidth by using a 12inch twisted pair-wire terminated with a 0.1uf &amp; 47uf capacitor.</p> <p>3. Tolerance:includes set up tolerance, line regulation and load regulation.</p>										

**Mechanical Specification**

Unit:mm



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

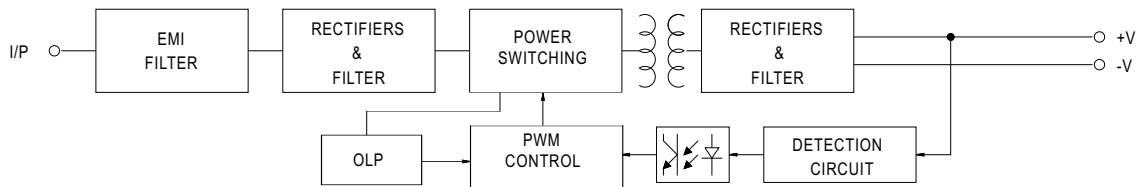
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	NC		
3	+V		

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



**Derating Curve**

