

■ Features :

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

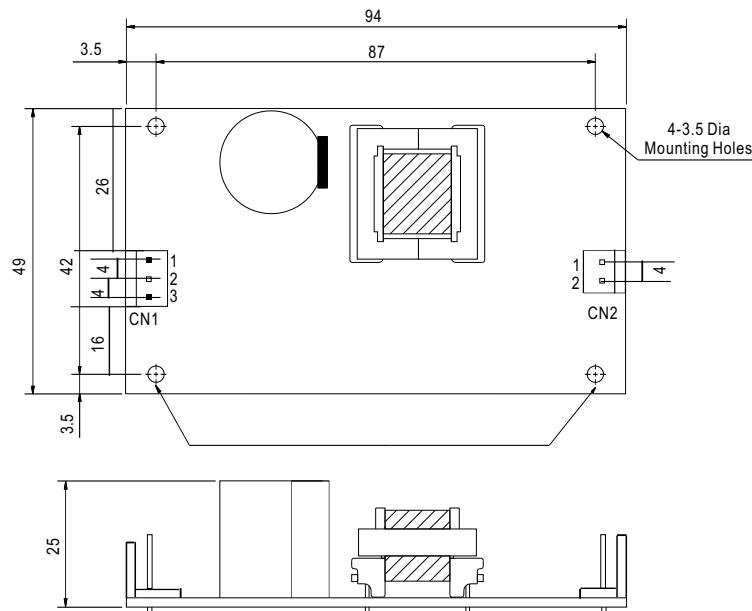
SPECIFICATION



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																	
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													
PROTECTION	OVER LOAD	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°C (Refer to output load 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)															
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															
	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)															
NOTE	PACKING	81mg;120pcs/10.72Kg															
	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.																	

■ Mechanical Specification

Unit:mm



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

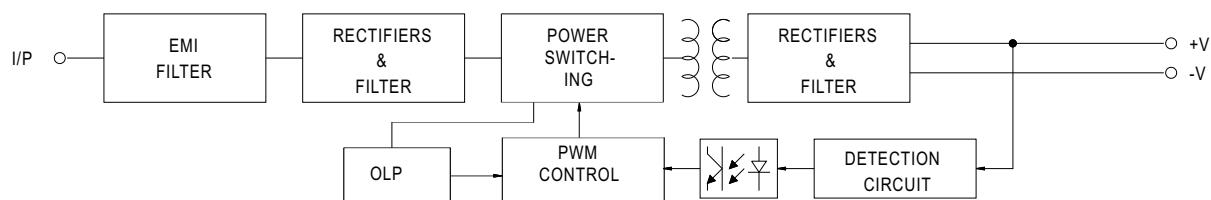
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	NC		
3	+V		

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

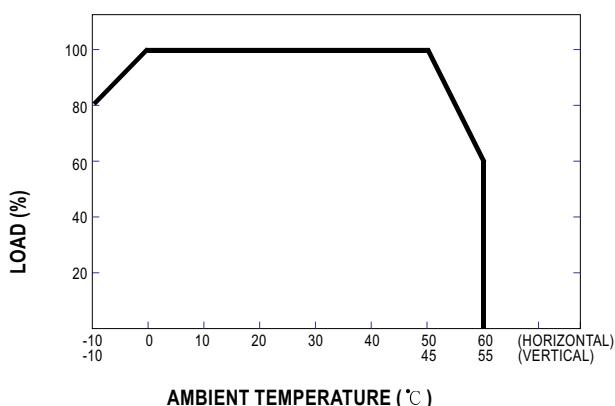
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	+V		

■ Block Diagram

fosc : 100KHz



■ Output Derating



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