

- 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%	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		
ENVIRONMENT	WORKING TEMP.	-10~ +60°C (Refer to output load derating curve), 20 ~ 90% RH non-condensing									
	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	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 ° 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. 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)										

File Name: PSD-15-SPEC 2012-12-11

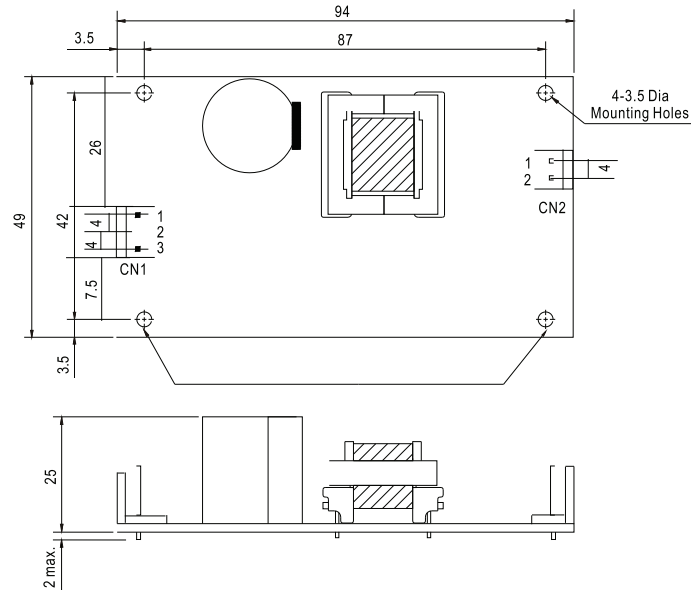
Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:
<http://power.sager.com/mean-well-PSD-15-dc-dc-converter.html>

(866) 588-1750
 power@sager.com
<http://power.sager.com>

■ Mechanical Specification

Unit:mm



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

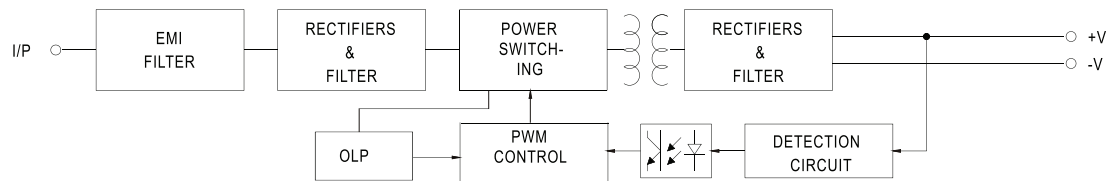
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	+V		

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

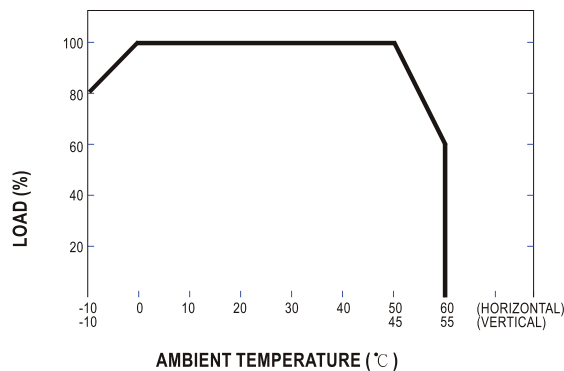
Pin No.	Assignment	Mating Housing	Terminal
1	-V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	+V		

■ Block Diagram

fosc : 100KHz



■ Output Derating



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