

■ Features :

- Universal AC input / Full range
- Low leakage current <100 μ A
- Protections: Short circuit / Overload / Over voltage
- Free air convection for rated power and 23.5CFM forced air convection for peak load
- Medical safety approved (2 x MOPP between primary to secondary)(Note.8)
- Fixed switching frequency at 65KHz
- 3 years warranty

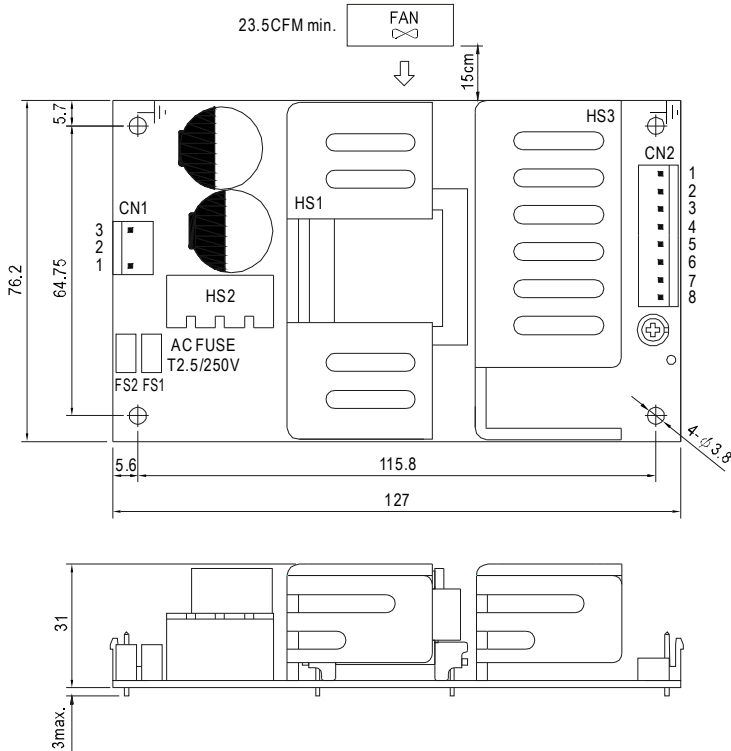


SPECIFICATION

MODEL	RPD-75A		RPD-75B			
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
	DC VOLTAGE	5V	12V	5V	24V	
	RATED CURRENT	7A	3A	5A	2A	
	CURRENT RANGE	1 ~ 9.5A	0.3 ~ 4A	1 ~ 6.8A	0.2 ~ 2.7A	
	RATED POWER	71W		73W		
	PEAK LOAD (23.5CFM)	95.5W		98.8W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p		80mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3	\pm 2.0%		\pm 6.0%	\pm 2.0%	\pm 6.0%
	LINE REGULATION	\pm 0.5%		\pm 1.0%	\pm 0.5%	\pm 1.0%
	LOAD REGULATION	\pm 1.5%		\pm 3.0%	\pm 1.5%	\pm 3.0%
	SETUP, RISE TIME	500ms, 30ms/230VAC		500ms, 30ms/115VAC at full load		
HOLD UP TIME (Typ.)	80ms/230VAC		20ms/115VAC at full load			
INPUT	VOLTAGE RANGE	90 ~ 264VAC		127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	77%		79%		
	AC CURRENT (Typ.)	1.5A/115VAC		1A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC		50A/230VAC		
LEAKAGE CURRENT Note.7	Earth leakage current < 150 μ A/264VAC , Touch current < 100 μ A/264VAC					
PROTECTION	OVERLOAD	140 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V Protection type : Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-20 ~ +70 $^{\circ}$ C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85 $^{\circ}$ C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	\pm 0.03%/ $^{\circ}$ C (0 ~ 45 $^{\circ}$ C)				
SAFETY & EMC (Note 4)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25 $^{\circ}$ C / 70% RH				
	EMC EMISSION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22) Class B, EN61000-3-2,-3				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61000-6-2, EN61204-3, heavy industry level, EN61204-3 medical level, criteria A				
	MTBF	569.9K hrs min. MIL-HDBK-217F (25 $^{\circ}$ C)				
	DIMENSION	127*76.2*31mm (L*W*H)				
NOTE	PACKING	0.25Kg; 63pcs/16.7Kg/1.35CUFT				
		<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25$^{\circ}$C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel 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) 5. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. 6. Heat Sink HS1,HS2,HS3 can not be shorted. 7. Touch current was measured from primary input to DC output. 8. Suitable for BF application with appropriate system consideration. 				

Mechanical Specification

Unit:mm



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

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/L		

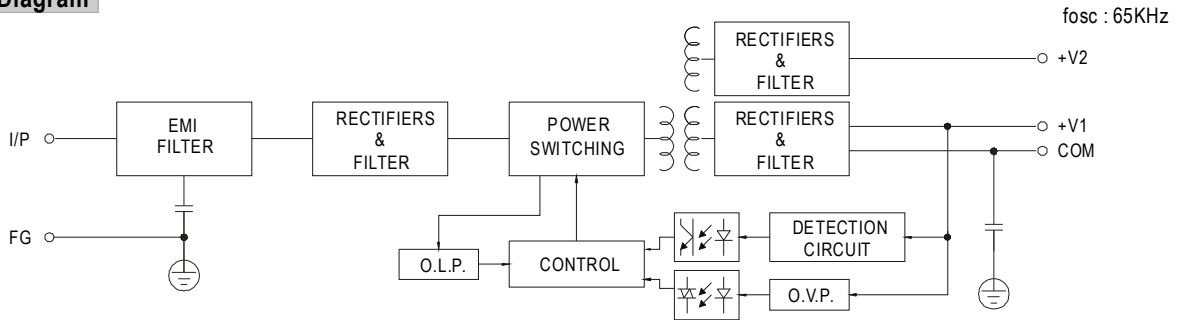
DC Output Connector (CN2) : JST B8P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	V1	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3,4,5	COM		
6,7	V2		
8	NC		

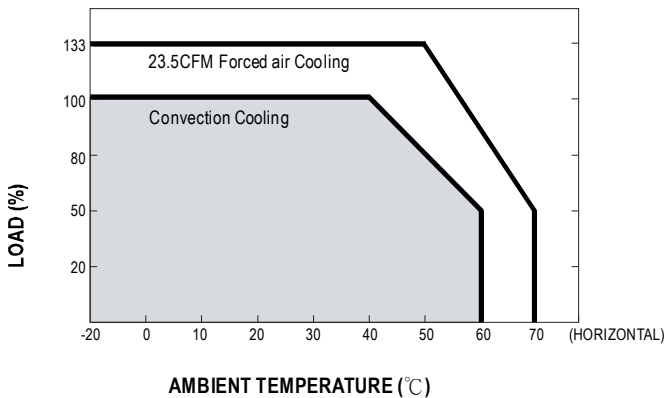
⚠ HS1,HS2,HS3 can not be shorted

⊥ : Grounding required

Block Diagram



Derating Curve



Output Derating VS Input Voltage

