

## ■ Features :

- 4"×2" miniature size
- Universal AC input/Full range
- Low leakage current <100µA
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- Medical safety approved (2 x MOPP between primary to secondary)(Note.9)
- \*UL60950-1/IEC60950-1/EN60950-1 ITE safety approved
- Fixed switch frequency at 100KHz
- 3 years warranty

## **SPECIFICATION**



MODEL		RPD-60A		RPD-60B		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
ОИТРИТ	DC VOLTAGE	5V	12V	5V	24V	
	RATED CURRENT	5A	2A	3.5A	1.5A	
	CURRENT RANGE	0.5 ~ 5.5A	0.1 ~ 2.2A	0.5 ~ 3.85A	0.1 ~ 1.65A	
	RATED POWER	49W		53.5W		
	PEAK LOAD(10sec.) Note.4	53.9W		58.85W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	80mVp-p	100mVp-p	
	VOLTAGE TOLERANCE Note.3	+3,-2%	±6.0%	+3,-2%	+8,-4%	
	LINE REGULATION	±0.5%	±1.0%	±0.5%	±1.0%	
	LOAD REGULATION	±1.5%	±2.0%	±1.5%	±2.0%	
	SETUP, RISE TIME	300ms, 15ms/230VAC 300	ns, 15ms/230VAC 300ms, 15ms/115VAC at full load			
	HOLD UP TIME (Typ.)	70ms/230VAC 14ms/115VAC at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	78%		82%		
	AC CURRENT (Typ.)	.1A/115VAC 0.7 A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 60A/230VAC 30A/115VAC				
	LEAKAGE CURRENT Note.8	Earth leakage current < 150µA/264VAC , Touch current < 100µA/264VAC				
PROTECTION	OVERLOAD	115 ~ 150% 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 ~ +65°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, 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°C/ 70% RH				
	EMC EMISSION	Compliance to EN55011(CISPR11),EN55022 (CISPR22) Class B, EN61000-3-2,-3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61204-3, medical level, criteria A				
OTHERS	MTBF	677.8K hrs min. MIL-HDBK-217F (25°C)				
	DIMENSION	101.6*50.8*29mm (L*W*H)				
	PACKING	0.15Kg; 96pcs/15.4Kg/0.89CUFT				
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>33% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power.</li> <li>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."         <ul> <li>(as available on http://www.meanwell.com)</li> <li>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.</li> <li>Heat Sink HS1,HS2 can not be shorted.</li> </ul> </li> <li>Touch current was measured from primary input to DC output.</li> <li>Suitable for BF application with appropriate system consideration.</li> </ol>					
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