

Features:

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105 $^{\circ}\!\mathbb{C}$ long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty







SPECIFICATION

MODEL		RD-50A		RD-50B		
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
	DC VOLTAGE	5V	12V	5V	24V	
	RATED CURRENT	6A	2A	4A	1.4A	
	CURRENT RANGE	0.3 ~ 6A	0.3 ~ 3A	0.3 ~ 6A	0.2 ~ 2A	
	RATED POWER	54W		53.6W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±7.0%	±2.0%	-4,+8%	
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%	±1.5%	
	LOAD REGULATION Note.5	±0.5%	±3.0%	±0.5%	±3.0%	
	SETUP, RISE TIME	500ms, 20ms/230VAC 120	00ms, 30ms/115VAC at full load	pad		
	HOLD UP TIME (Typ.)	60ms/230VAC 12ms/115VAC at full load				
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY(Typ.)	79%		80%		
	AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 33A/230VAC				
	LEAKAGE CURRENT	<2mA/240VAC				
PROTECTION		110 ~ 150% rated output power				
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed				
	OVED VOLTAGE	CH1: 5.75 ~ 6.75V				
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed				
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)on +5V output				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A				
OTHERS	MTBF	172.6Khrs min. MIL-HDBK-217F (25°ℂ)				
	DIMENSION	99*97*36mm (L*W*H)				
	PACKING	0.41Kg; 45pcs/19.5Kg/0.9CUFT				
NOTE	Ripple & noise are measure Tolerance : includes set up Line regulation is measure Load regulation is measure	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. to tolerance, line regulation and load regulation. d from low line to high line at rated load. ed from 0% to 100% rated load. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets				

