



## Features:

Isolated output & GND for CH1, CH2

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 long life electrolytic capacitors Withstand 300VAC surge input for 5 second

High operating temperature up to 70

Withstand 5G vibration test

High efficiency, long life and high reliability

3 years warranty





## **SPECIFICATION**

MODEL		RID-50A		RID-50B		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
ОИТРИТ	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	
	VOLTAGEADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3	± 2.0%	± 8.0%	±2.0%	+8,-4%	
	LINE REGULATION Note.4	± 0.5%	± 1.5%	± 0.5%	± 1.5%	
	LOAD REGULATION Note.5	± 0.5%	± 5.0%	± 0.5%	± 5.0%	
	SETUP, RISETIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load				
	HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC at full load				
INPUT	VOLTAGERANGE	88 ~ 264VAC 125~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	80%		81%		
	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, recoversautomatically after fault condition is removed				
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V				
		Protection type: Hiccup mode, recovers automatically after fault condition is removed				
ENVIRONMENT	WORKING TEMP.	-25 ~ +70 (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85 , 10 ~ 95% RH				
	TEMP. COEFFICIENT	± 0.03%/ (0 ~ 50 ) on +5V output				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved				
SAFETY & EMC (Note 6)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25J/ 70% RH				
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A				
	MTBF	172.6Khrs min. MIL-HDBK-217F (25 )				
	DIMENSION	99*97*36mm (L*W*H)				
	PACKING	0.41Kg; 45pcs/19.5Kg/0.9CUFT				
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance: includes set up     Line regulation is measured     Load regulation is measured     The power supply is conside	ly mentioned are measured at 230VAC input, rated load and 25 of ambient temperature.  2 at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3 tolerance, line regulation and load regulation.  4 from low line to high line at rated load.  5 d from 0% to 100% rated load.  6 d from 0% to 100% rated load.  7 ered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets component power supplies."				

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)



