



■ Features :

- Universal AC input / Full range
- Protections: Short circuit/Over load/Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70°C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty

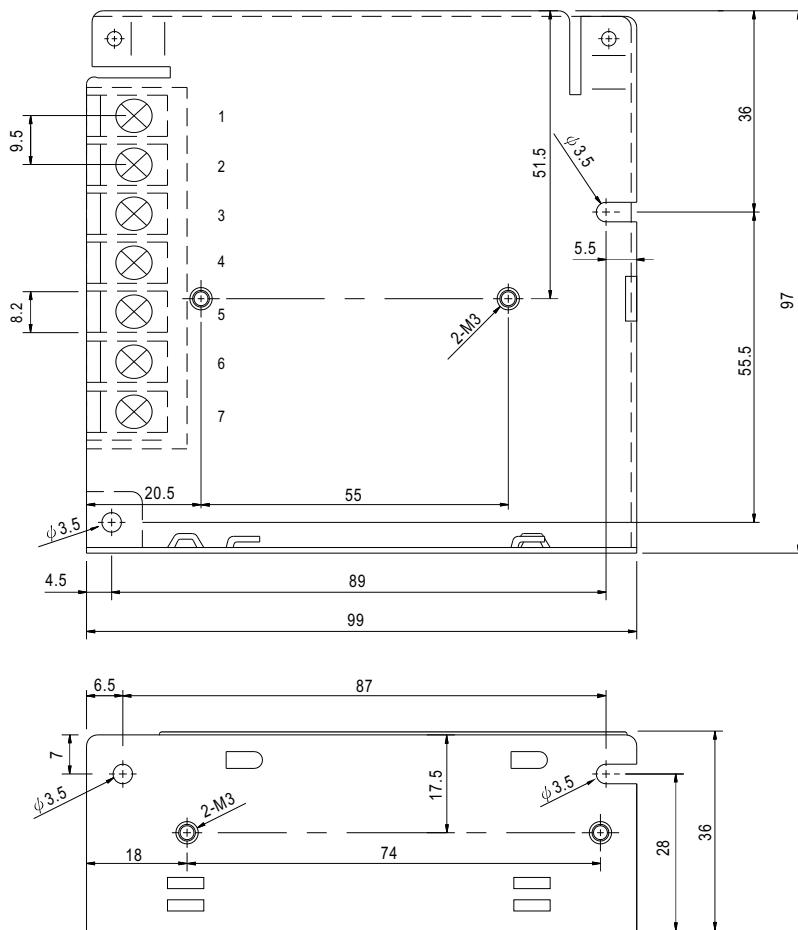


SPECIFICATION

MODEL	RD-50A		RD-50B	
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH1
	DC VOLTAGE	5V	12V	5V
	RATED CURRENT	6A	2A	4A
	CURRENT RANGE	0.3 ~ 6A	0.3 ~ 3A	0.3 ~ 6A
	RATED POWER	54W		53.6W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V
	VOLTAGE TOLERANCE Note.3	±2.0%	±7.0%	±2.0%
	LINE REGULATION Note.4	±0.5%	±1.5%	±0.5%
	LOAD REGULATION Note.5	±0.5%	±3.0%	±0.5%
INPUT	SETUP, RISE TIME	500ms, 20ms/230VAC		1200ms, 30ms/115VAC at full load
	HOLD TIME (Typ.)	60ms/230VAC		14ms/115VAC at full load
PROTECTION	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		
ENVIRONMENT	OVER LOAD	110 ~ 150% rated output power		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
SAFETY & EMC (Note 6)	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		
OTHERS	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		
	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		
NOTE	MTBF	172.6Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	99*97*36mm (L*W*H)		
	PACKING	0.41Kg; 45pcs/19.5Kg/0.9CUFT		
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°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. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 6. 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.				

■ Mechanical Specification

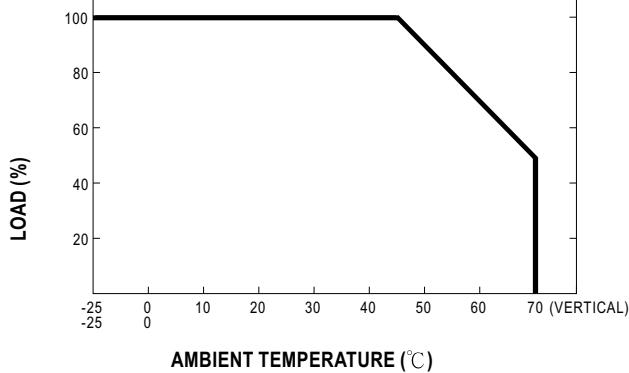
Case No. 905B Unit:mm



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,6	DC OUTPUT COM
2	AC/N	5	DC OUTPUT +V2
3	FG \pm	7	DC OUTPUT +V1

■ Derating Curve



■ Output Derating VS Input Voltage

