



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 $^{\circ}\!\mathbb{C}$ 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





CBCE

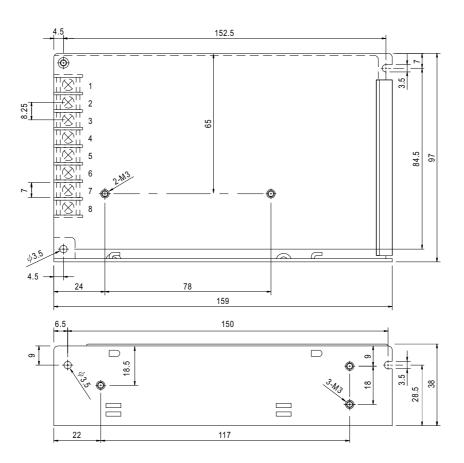
SPECIFICATION

MODEL		RT-85A			RT-85B			RT-85C		RT-85D			
	OUTPUT NUMBER	CH1	CH2	СНЗ	CH1	CH2	CH3	CH1	CH2	СНЗ	CH1	CH2	СНЗ
	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V
	RATED CURRENT	8A	3.5A	0.5A	8A	3.5A	0.5A	7A	3A	0.5A	6A	2A	1A
		2 ~ 10A	0.3 ~ 4A	0 ~ 1A	2 ~ 10A	0.3 ~ 4A	0 ~ 1A	2 ~ 10A	0.3 ~ 4A	0 ~ 1A	2 ~ 10A	0.3 ~ 2.5A	0.1 ~ 1A
	RATED POWER Note.6				88W			87.5W		90W			
											80mVp-p 150mVp-p 120mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3		±5.0%	±6.0%	±2.0%	±5.0%	±6.0%	±2.0%	+3,-7%	±6.0%	±2.0%	±5.0%	±6.0%
	LINE REGULATION Note.4	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%
		±1.0%	±3.0%	±6.0%	±1.0%	±3.0%	±6.0%	±1.0%	±3.0%	±6.0%	±1.0%	±3.0%	±6.0%
	SETUP, RISE TIME	500ms, 20)ms/230VA	C 120	0ms, 30ms	/115VAC at	full load	I.	ı		1		1
	HOLD TIME (Typ.)	100ms/23	0VAC	18ms/115\	/AC at full I	oad							
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)											
	FREQUENCY RANGE	47 ~ 63Hz											
	EFFICIENCY (Typ.)	76%			76%			77%		79%			
	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC											
	LEAKAGE CURRENT	<2mA / 24	<2mA/240VAC										
	OVER LOAD	110 ~ 150% rated output power											
PROTECTION	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
ENVIRONMENT	OVER VOLTAGE	CH1: 5.75 ~ 6.75V											
	OVERVOLIAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	WORKING TEMP.	-25 ~ +70°C (Refer to output load derating curve)											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH											
	TEMP. COEFFICIENT	$\pm 0.03\%$ /°C (0 ~ 50°C) on +5V output											
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes											
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved											
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC											
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC											
EMC (Note 7)	EMI CONDUCTION & RADIATION												
	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											
	MTBF	215Khrs min. MIL-HDBK-217F (25°C)											
OTHERS	DIMENSION	159*97*38mm (L*W*H)											
NOTE	ACKING 0.6Kg; 24pcs/15.4Kg/0.7CUFT 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 20% to 100% rated load, and other output at 60% rated load. 6. Each output can work within current range. But total output power can't exceed rated output power. 7. 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. 8. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.												



■ Mechanical Specification

Case No. 901C Unit:mm



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment		
1	AC/L	4	NC	7	DC OUTPUT COM		
2	AC/N	5	DC OUTPUT V3	8	DC OUTPUT +V1		
3	FG ±	6	DC OUTPUT +V2				

■ Derating Curve

■ Static Characteristics

