



■ Features :

- 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°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

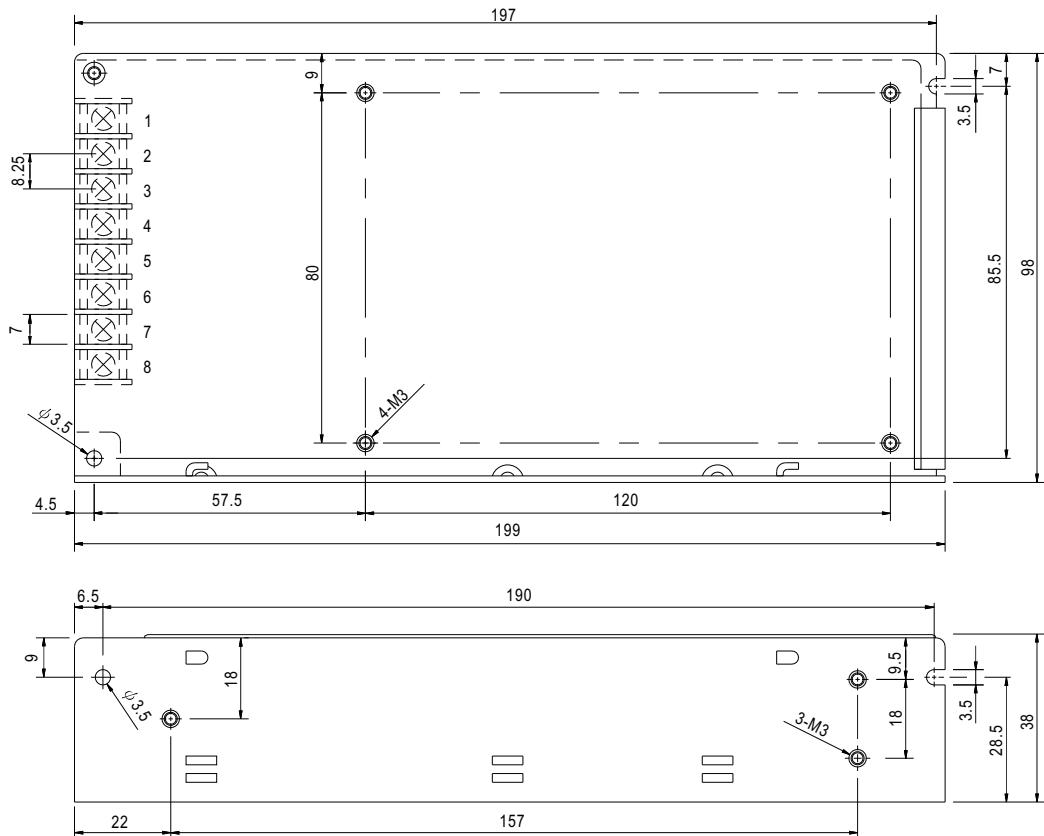


SPECIFICATION

MODEL	RQ-125B				RQ-125C				RQ-125D				
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
	DC VOLTAGE	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	RATED CURRENT	11A	4.5A	1A	0.5A	10A	4A	1A	0.5A	8A	2.5A	2A	0.5A
	CURRENT RANGE	Note.6	2 ~ 12A	0.5 ~ 4.5A	0.1 ~ 1A	0 ~ 1A	2 ~ 12A	0.5 ~ 4A	0.1 ~ 1A	0 ~ 1A	2 ~ 12A	0.5 ~ 4A	0.1 ~ 2.5A
	RATED POWER	Note.6	120W				122.5W				124W		
	RIPPLE & NOISE (max.)	Note.2	80mVp-p	120mVp-p	80mVp-p	80mVp-p	80mVp-p	120mVp-p	80mVp-p	80mVp-p	80mVp-p	150mVp-p	80mVp-p
	VOLTAGE ADJ. RANGE		CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V				CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE	Note.3	±2.0%	+8,-3%	+6,-10%	±5.0%	±2.0%	+8,-3%	+6,-10%	±5.0%	±2.0%	+8,-3%	±8.0%
	LINE REGULATION	Note.4	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%
	LOAD REGULATION	Note.5	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±6.0%	±2.0%	±1.0%	±3.0%	±5.0%
INPUT	SETUP, RISE TIME		500ms, 20ms/230VAC				1200ms, 30ms/115VAC at full load						
	HOLD UP TIME (Typ.)		25ms/230VAC				30ms/115VAC at full load						
	VOLTAGE RANGE		88 ~ 132VAC / 176 ~ 264VAC selected by switch				248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE		47 ~ 63Hz										
	EFFICIENCY (Typ.)		79%				80%				82%		
	AC CURRENT (Typ.)		3A/115VAC				2A/230VAC						
PROTECTION	INRUSH CURRENT (Typ.)		COLD START 40A/230VAC										
	LEAKAGE CURRENT		<2mA / 240VAC										
	OVERLOAD		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						
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 7)	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										
OTHERS	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		203.1Khrs min. MIL-HDBK-217F (25°C)										
	DIMENSION		199*98*38mm (L*W*H)										
NOTE	PACKING		0.7Kg; 20pcs/14Kg/0.8CUFT										
	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

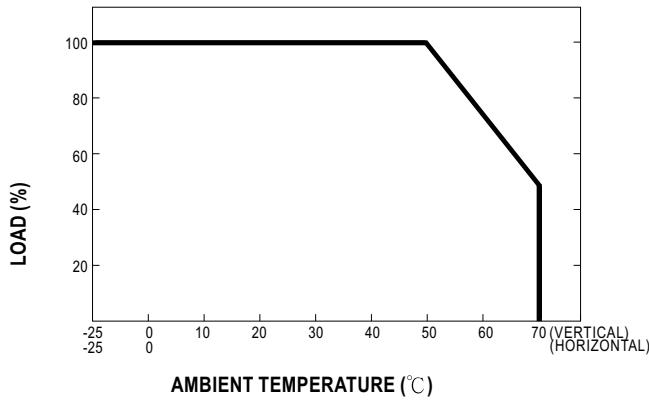
Case No. 902 Unit:mm



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT-V4	7	DC OUTPUT COM
2	AC/N	5	DC OUTPUT V3	8	DC OUTPUT +V1
3	FG \pm	6	DC OUTPUT +V2		

■ Derating Curve



■ Static Characteristics

