



#### ■ 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

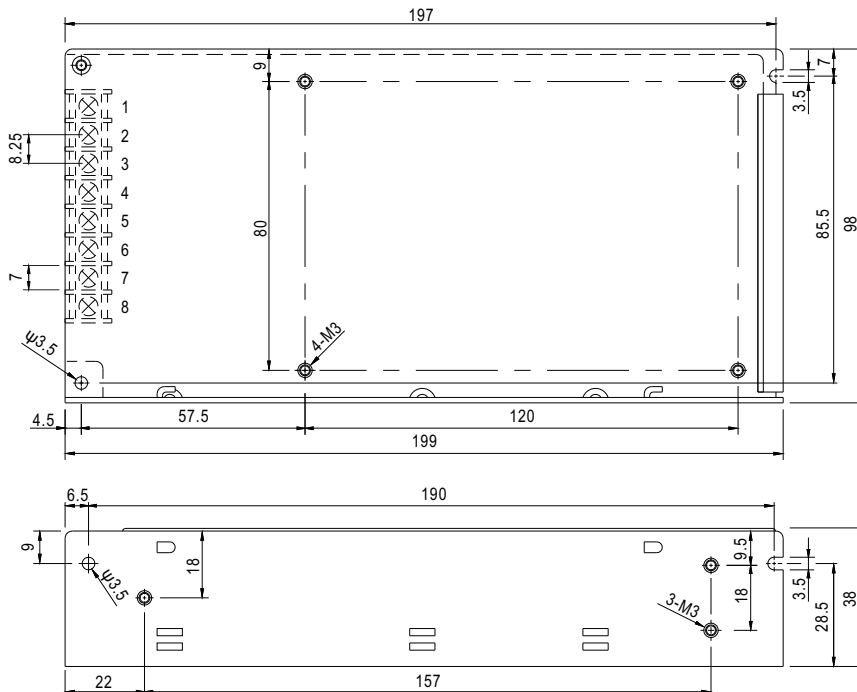


#### SPECIFICATION

MODEL		RT-125A			RT-125B			RT-125C			RT-125D						
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3				
	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V				
	RATED CURRENT	12A	5.5A	1A	12A	5A	1A	10A	4.5A	1A	8A	3A	2A				
	CURRENT RANGE      Note.6	2 ~ 15A	0.5 ~ 6A	0.1 ~ 1A	2 ~ 15A	0.5 ~ 6A	0.1 ~ 1A	2 ~ 15A	0.5 ~ 6A	0.1 ~ 1A	2 ~ 15A	0.4 ~ 4A	0.1 ~ 2A				
	RATED POWER      Note.6	131W			132W			132.5W			136W						
	RIPPLE & NOISE (max.)      Note.2	80mVp-p	120mVp-p	80mVp-p	80mVp-p	120mVp-p	120mVp-p	80mVp-p	150mVp-p	150mVp-p	80mVp-p	150mVp-p	120mVp-p				
	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	±2.0%	+8,-3%	+6,-10%	±2.0%	+8,-3%	±6.0%	±2.0%	+8,-3%	±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%				
	LOAD REGULATION      Note.5	±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, 20ms/230VAC      1200ms, 30ms/115VAC at full load															
HOLD UP TIME (Typ.)		25ms/230VAC      30ms/115VAC at full load															
INPUT	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%				81%				82%			
	AC CURRENT (Typ.)	3A/115VAC      2A/230VAC															
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC															
	LEAKAGE CURRENT	<2mA / 240VAC															
PROTECTION	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															
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")															
ENVIRONMENT	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:2KVAC    O/P-FG:0.5KVAC															
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH															
	EMC EMISSION	Compliance to EN55032 (CISPR32) 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															
OTHERS	MTBF	209.3Khrs min.      MIL-HDBK-217F (25°C)															
	DIMENSION	199*98*38mm (L*W*H)															
	PACKING	0.7Kg; 20pcs/14Kg/0.8CUFT															
NOTE	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. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a> ) 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

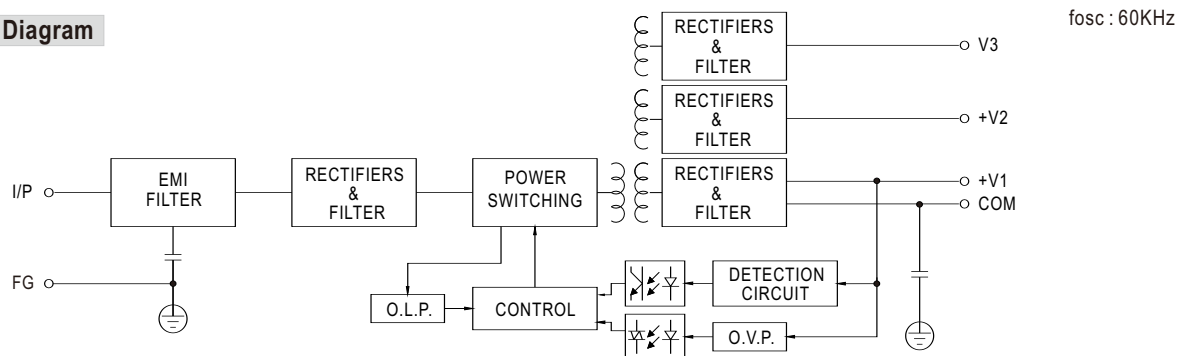
Case No. 902A Unit:mm



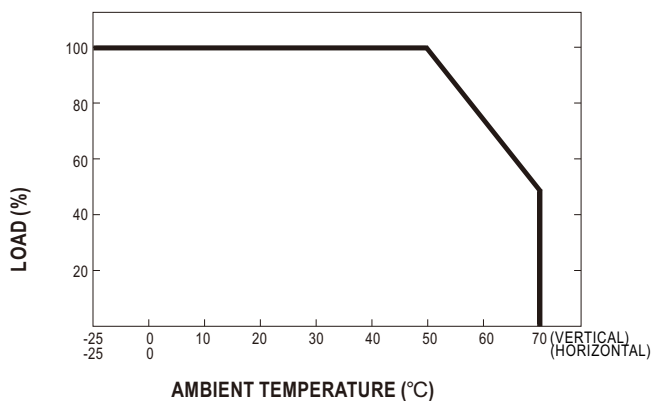
### Terminal Pin No. Assignment

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

### ■ Block Diagram



### Derating Curve



### ■ Static Characteristics

