

## 125W Triple Output Switching Power Supply

## RT-125 series



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 NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
OUTPUT	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	0~12A	0~6A	0~1A	0~ 12A	0~6A	0~1A	0~12A	0~6A	0~1A	0~12A	0~4A	0~2A	
	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			
	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		+9,-5%	+6,-10%	±2.0%	+9,-5%	±6.0%	±2.0%	+8,-5%	±6.0%	±2.0%	±8.0%	±6.0%	
		±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%	±5.0%	±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)												
			47 ~ 63Hz											
	EFFICIENCY (Typ.)	77%	0 04	1000014.0	78%	/8%			79%			80%		
	AC CURRENT (Typ.) INRUSH CURRENT (Typ.)	3A/115VAC 2A/230VAC COLD START 50A/230VAC												
	LEAKAGE CURRENT	COLD START 50A/230VAC <2mA / 240VAC												
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed												
		CH1: 5.75 ~ 6.75V												
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed												
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")												
		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 STANDARDS	UL62368-1, TUV EN62368-1, EAC TP TC 004 approved												
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC         I/P-FG:2KVAC         O/P-FG:0.5KVAC           I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH												
EMC	ISOLATION RESISTANCE													
(Note 7)	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020												
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020												
OTHERS	MTBF	209.3Khrs min. MIL-HDBK-217F (25°C)												
	DIMENSION	199*98*38mm (L*W*H)												
	PACKING	0.	pcs/14Kg/0											
NOTE	<ol> <li>All parameters NOT specia</li> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up</li> <li>Line regulation is measured</li> <li>Load regulation is measured</li> <li>Each output can work within</li> <li>The power supply is consid a 360mm '360mm metal pla perform these EMC tests, p</li> <li>Length of set up time is me</li> <li>The ambient temperature d</li> </ol>	ed at 20MI tolerance, f from low d from 209 n current ra lered a cor ate with 1m olease refe asured at	Iz of band line regula line to high % to 100% ange. But nponent w nm of thick r to "EMI to cold first s	width by us ation and lo rated load total output hich will be ness. The esting of co tart. Turning	sing a 12" ad regulat ed load. , and othe power ca installed final equip opponent g ON/OFF	twisted pai tion. r output at n't exceed into a final ment must power supp the power	60% rated rated outpu equipment. be re-confi olies." (as a	nated with load. It power. All the EN rmed that vailable or y quickly n	IC tests ar IC tests ar it still meet http://www nay lead to	47uf paralle e been exe s EMC dire v.meanwell o increase o	cuted by r ctives. For .com) f the set u	nounting th guidance p time.	on how t	



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