

## **Datasheet**

ENGLISH

75W Triple Output Medical Type

RPT-75 series



### ■ Features :

- Universal AC input/Full range
- Low leakage current<200uA</li>
- Protections:Short circuit/Over load/Over voltage
- Free air convection for rated power and 23.5CFM forced air convection for peak load
- UL60601-1/IEC60601-1/EN60601-1 medical safety approved
- Fixed switching frequency at 65KHz
- 3 years warranty



MODEL		199-999			200-005			200-011				
-	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3		
OUTPUT	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V		
	RATED CURRENT	6A	3A	0.5A	6A	3A	0.5A	6A	2.3A	0.5A		
	CURRENT RANGE	0.6 ~ 8A	0.2~4A	0.1 ~ 1A	0.6 ~ 8A	0.2 ~ 4A	0.1 ~ 1A	0.6 ~ 8A	0.1 ~ 3A	0.1 ~ 1A		
	RATED POWER	68.5W			72W	PERSONAL DESIGN   7/04/1/10   20/100   1/04/10   1/04/10			72W			
	PEAK LOAD (23.5CFM)	93W			100W			100W				
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	80mVp-p	120mVp-p	120mVp-p	80mVp-p	150mVp-p	150mVp-p		
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5										
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±5.0%	±2.0%	±6.0%	±5.0%	±2.0%	±8.0%	±5.0%		
	LINE REGULATION	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%		
	LOAD REGULATION	±1.5%	±3.0%	±1.0%	±1.5%	±3.0%	±1.0%	±1.5%	±3.0%	±1.0%		
INPUT	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load										
	HOLD TIME (Typ.)	100ms/230VAC 20ms/115VAC at full load										
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY(Typ.)	76%			77%			77%				
	AC CURRENT (Typ.)	1.5A/115VA	C 1A/230	OVAC	6.6.70			1.1.1.4				
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC 50A/230VAC										
	LEAKAGE CURRENT	Earth leakage current <200uA / 264VAC, Patient leakage current <100uA/264VAC										
PROTECTION	ELAKAGE GOKKENT	140 ~ 180% rated output power										
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
		CH1: 5.75 ~ 6.75V										
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover										
	WORKING TEMP											
	WORKING TEMP.	-20 ~ +70℃ (Refer to output load derating curve)										
EAR/IDOANNEAIT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensing										
ENVIRONMENT	principal transfer and a special and a special services are a specia	-40 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT VIBRATION	±0.03%/°C (0~45°C)										
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	WITHSTAND VOLTAGE	UL60601-1,TUV EN60601-1 Approved										
CAFETY		I/P-0/P:4KVAC I/P-FG:1.5KVAC 0/P-FG:1.5KVAC										
SAFETY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC												
EMC (Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22) Class B  Compliance to EN61000-3-2,-3										
(11010 4)	HARMONIC CURRENT				NA ENICCORA ENIC	0004 4 2 FN0400	0.0.0 ENC4204.0		L ENGADOA D N	Bud (1111)		
	EMS IMMUNITY	Compliance to EN61000-4-2, 3,4,5,6,8,11; ENV50204, EN65024, EN60801-1-2, EN61000-6-2, EN61204-3 heavy industry level, EN61204-3 Medical level, criterian control of the complex of the com										
OTHERS	MTBF	521.2K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	127*76.2*31mm (L*W*H)										
	PACKING	0.	cs/17.4Kg/1.3	Maria Maria Maria	· · · · · · · · · · · · · · · · · · ·							
NOTE	All parameters NOT special     Ripple & noise are measure     Tolerance: includes set up     The power supply is consid     EMC directives.     Length of set up time is me	ed at 20MHz tolerance, lin ered a comp	of bandwidth e regulation a onent which v	by using a 12' and load regula vill be installed	' twisted pair-vation. into a final eq	vire terminated uipment. The f	with a 0.1uf & inal equipmen	47uf parallel t must be re-c	onfirmed that i	t still meets		

File Name: RPT-75-SPEC 2006-11-24



# **ENGLISH**



#### ■ Features :

- Universal AC input/Full range
- Low leakage current<200uA
- Protections:Short circuit/Over load/Over voltage
- Free air convection for rated power and 23.5CFM forced air convection for peak load
- UL60601-1/IEC60601-1/EN60601-1 medical safety approved
- Fixed switching frequency at 65KHz
- 3 years warranty

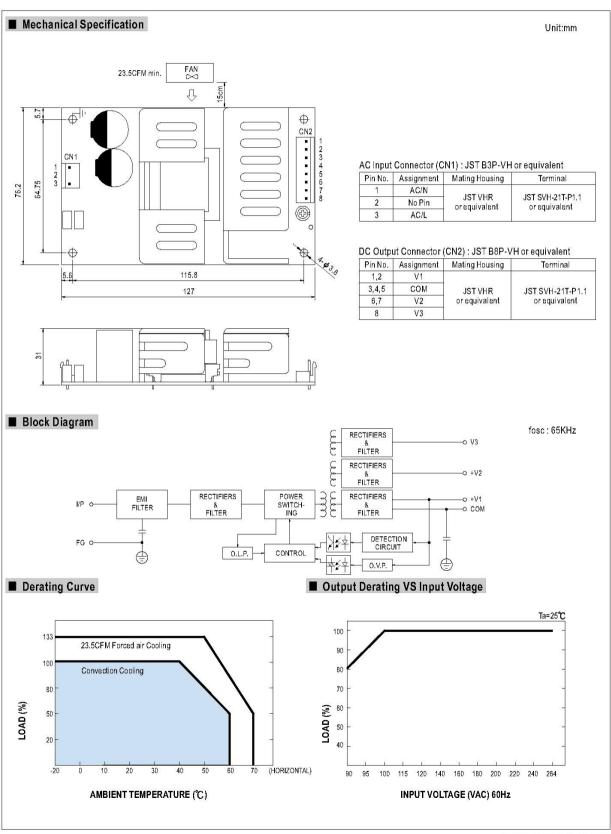


MODEL			199-963	L		200-027					
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3				
оитрит	DC VOLTAGE	5V	24V	12V	3.3V	5V	12V				
	RATED CURRENT	5A	1.5A	1A	6A	6A	1A				
	CURRENT RANGE	0.6 ~ 7A	0.1 ~ 2A	0.1 ~1A	0.7 ~ 7A	0 ~ 8A	0 ~ 1.5A				
	RATED POWER	73W	1 0.000 0000	0000000 000000	61.8W						
	PEAK LOAD (23.5CFM)	95W			81W						
	RIPPLE & NOISE (max.) Note.2	80mVp-p	200mVp-p	120mVp-p	80mVp-p	120mVp-p	120mVp-p				
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V									
	VOLTAGE TOLERANCE Note.3	±2.0%	±8.0%	±8.0%	±4.0%	±6.0%	+10,-6%				
	LINE REGULATION	±0.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.5%				
	LOAD REGULATION	±1.5%	±3.0%	±3.0%	+3,-4%	+5,-4%	±6.0%				
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load									
	HOLD TIME (Typ.)	100ms/230VAC 20ms/115VAC at full load									
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY(Typ.)	79% 74%									
	AC CURRENT (Typ.)	1.5A/115VAC 1A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 25A/115VAC 50A/230VAC									
	LEAKAGE CURRENT	Earth leakage current <200uA/ 264VAC, Patient leakage current <100uA/264VAC									
PROTECTION		140 ~ 180% rated output power									
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
		CH1: 5.75 ~ 6.75V CH1: 3.8 ~ 4.45V									
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover									
	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH									
ENVIKUNMENT	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	UL60601-1, TUV EN60601-1 Approved									
	WITHSTAND VOLTAGE	/P-0/P.4KVAC  /P-FG:1.5KVAC									
SAFETY &	ISOLATION RESISTANCE	I/P-0/P.4RVAC									
MC	EMI CONDUCTION & RADIATION										
(Note 4)	HARMONIC CURRENT	Compliance to EN61000-3-2-3									
	EMS IMMUNITY	Compliance to EN61000-4-2,3.4,5,6,8,11; ENV50204, EN55024, EN60601-1-2, EN61000-6-2, EN61204-3 heavy industry level, EN61204-3 Medical level, criteria									
OTHERS	MTBF										
	DIMENSION	521.2K hrs min. MIL-HDBK-217F (25°C)  127*76.2*31mm (L*W*H)									
	PACKING	0.26Kg; 63pcs/17.4Kg/1.35CUFT									
ЮТЕ	All parameters NOT specia     Ripple & noise are measure     Tolerance: includes set up     The power supply is consided EMC directives.	becally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  Provided the second of the second o									

File Name: RPT-75-SPEC 2006-11-24



### **ENGLISH**



File Name: RPT-75-SPEC 2006-11-24