

Datasheet

ENGLISH

60W Single Output Medical Type

RPS-60 series



■ Features :

- 4"x2" miniature size
- Universal AC input/Full range
- Low leakage current<200uA
- Protections:Short circuit/Over load/Over voltage
- · Cooling by free air convection
- UL60601-1/IEC60601-1/EN60601-1 medical safety approved
- No load power consumption<0.75W
- Fixed switch frequency at 100KHz
- 3 years warranty

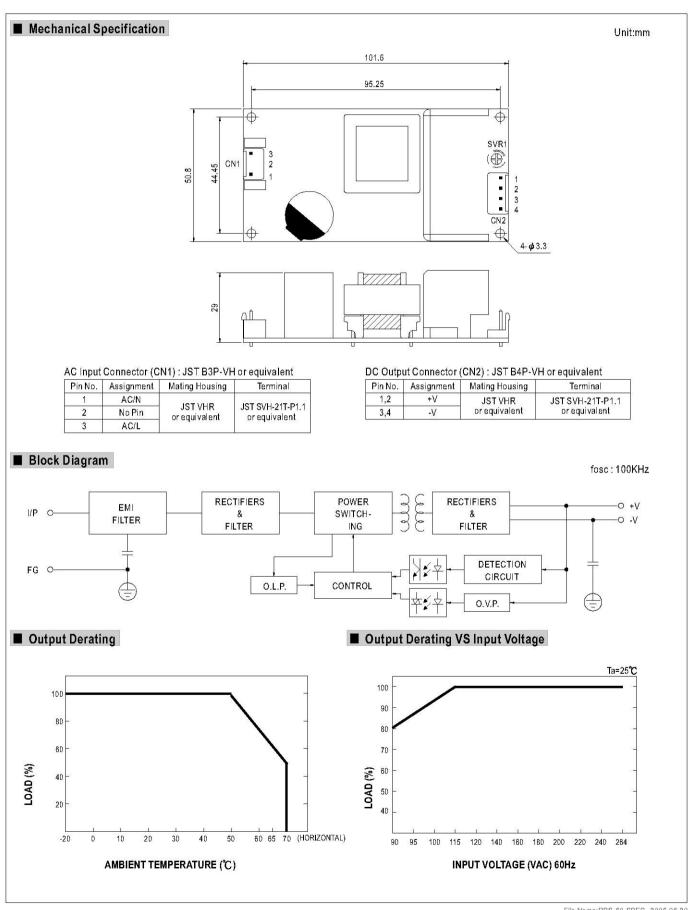


MODEL		678-3717	644-7130	644-7168	644-7146	644-7180	644-7174
ОИТРИТ	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	10A	10A	5A	4A	2.5A	1.25A
	CURRENT RANGE	0 ~ 11A	0 ~ 11A	0 ~ 5.5A	0~4.4A	0 ~ 2.75A	0 ~ 1.375A
	RATED POWER	33W	50W	60W	60W	60W	60W
	PEAK LOAD(10sec.) Note.4	36.3W	55W	66W	66W	66W	66W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p
	VOLTAGE ADJ. RANGE	3.1 ~ 3.6V	4.75 ~ 5.5V	11.4 ~ 13.2V	13.5 ~ 16.5V	22.8 ~ 27.6V	45.6 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME	500ms, 30ms/230VA		ms/115VAC at full load			
	HOLD TIME (Typ.)	50ms/230VAC 14ms/115VAC at full load					
INPUT	VOLTAGE RANGE	90 ~ 264VAC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	74%	79%	83%	84%	85%	86%
	AC CURRENT (Typ.)		1 A/230VAC	0070	0470	0070	0070
	INRUSH CURRENT (Typ.)	COLD START 60A/230VAC 30A/115VAC					
	LEAKAGE CURRENT	For earth <200uA / 264VAC, For patient <100uA/264VAC					
	LLANAGE CONNENT						
PROTECTION	OVER LOAD	115 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed					
		3.8 ~ 5V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	28.4 ~ 32.4V	55.2 ~ 64.8V
	OVER VOLTAGE				1	20.4 ~ 32.4 V	55.2 ~ 64.6 V
		Protection type: Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-20 ~ +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 (0~45°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	I/P-O/P:4KVAC I/I					
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC					
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11), EN55022 (CISPR22) Class B					
(Note 5)	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, EN61204-3 Medical level, criteria A					
OTHERS	MTBF	353.6Khrs min. N	11L-HDBK-217F (25	5°C)			
	DIMENSION	101.6*50.8*29mm (l	_*W*H)				
	PACKING	0.15Kg; 96pcs/15.4k	(g/0.89CUFT				
NOTE	Ripple & noise are measure Tolerance : includes set up 3% Duty cycle maximum of The power supply is consided EMC directives.	In mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. The mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. The measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. The tolerance, line regulation and load regulation. The measured at component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets assured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time.					

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