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DR	L.PO	WE	ER (COR	P	OF	RAT	IOI	N
零	件	規	格	書	/	承	彭	い書	

SPECIFICATION FOR APPROVAL

CUSTOMER :		
DESCRIPTION :	Adapter	

MODEL : PSAC05R-050L6-R

CUSTOMER PART NO :_____

APPROVED SIGNATURES

Rev	Date	Description	Designed	Checked	Approved
А	2020/1/7	Release		Kevin	

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II - Electronic Function

1. INPUT:

1.1 AC input range:	90 VAC to 264 VAC
1.2 AC input rating:	100VAC ~ 240VAC
1.3 AC input frequency:	47 - 63 Hz
1.4 AC input current:	0.3A (RMS) MAX at 115Vac/maximum load . 0.15A (RMS) MAX at 230Vac/maximum load .
1.5 Inrush current:	30A @240Vac at 25C ambient cold start
1.6 Leakage Current:	5uA Max.240VAC,50Hz
1.7 No Load Power consumptio	n: <0.075W at 230Vac
1.8 Capacitance Discharge:	shall be less than 5V in one second while disconnecting from AC mains (264Vac)
2 .Output characteristics:	
2.1 O/P voltage:	5 V
2.2 Voltage tolerance:	± 5%
2.3 Max output current:	1A
2.4 Current tolerance :	1.1A±100mA@4.75V~2V
2.5 Ripple: NOTE:	200mV (pk-pk)
Full load Turn on &	wait for 30 minute ,Measured by using a 12 inch
twisted pair termin	ated with a 10uF EC capacitor and a 0.1uF ceramic
in parallel.	



4.3 Short Circuit Protection:	The output can be shorted permanently without damage whenever it operates within input voltage range and temperature range specified in this specification .Output current not exceed 0.95A (RMS)		
4.4 OVP:	No exceed 7.2 Vdc		
4.5 OCP:	No exceed 1.2A(RMS)		
4.6 Reverse current:	1.5 mA (max) @ output connect to DC 5V(QA		
Setup:	DC source Vendor:Topward		
 +5 Vendor: FLUKE 45 5. Environmental: 5.1 Operating Temperature: 5.2 Storage Temperature: 	V Model:3303D V+ V- Output PSAC05R-050L6XX-R Power off \therefore XX For All Series 0°C to 40°C -40°C to 85°C		
5.3 Operating Relative Humidity	y:90%RH Max		
5.4 Storage Relative Humidity:	90%RH Max		
5.5 Altitude:	Operation 0 ~ 2,000m Max.		
6. MTBF:	50000 hours min. @full load at 25C ambient temperature.		

7. Safety Requirement:	UL
	TUV
	NOM
	СВ
	CE
8. EMI Requirement:	
	EN55032 Class B
	AS / NZS 3548
9. Immunity: (Criterion Class B)	
9 1 FSD:	EN50082-1: EN 61000-4-2 evel 4
	Air Discharge +/-15KV : Contact +/- 8KV
9.2 Surge:	EN 61000-4-5, Level 3,1KV
10. HI-POT test:	Pri. to Sec. 3000VAC 10mA for 1 Minute.
11. Insulation resistance:	Pri to Sec. >7 Mohm Minimum @500Vdc
12. Burn in:	40°C full load
13. Drop Test:	Drop tested from a height of 91 cm, one corner,
	three edges six surface, no electrical function
	failure and mechanical structure damage were
	found during / after test.
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13. Test item and sec	quence in production
START TEST:	
(T1) Hi-POT test the	unit at Pri. to Sec. 3300VAC, 10mA, 3 Second.
Insulation resistan	ce test the unit Pri. to Sec. 500VDC the resistance 7M Ω (Min.)
(1) Set input pov	wer to 90Vac/60 Hz and go through (T2~T3).
(2) Set input pov	wer to 264Vac/50 Hz and go through (T2~T3).
(3) Set input pov	wer to 230Vac/50 Hz and go through (T4~T6).
(4) Set ambient	to 25 ℃
(T2) CONNECTOR	Electronic Load
SET LOAD	Current 0A
MEASURE	Output DC Voltage 4.75V to 5.25V
	Output Voltage AC ripple
	Peak to Peak ripple should be less than 200mV
(T3) CONNECTOR	Electronic Load
SET LOAD	Current 1A
MEASURE	Output DC Voltage 4.75V to 5.25V
	Output Voltage AC ripple
	Peak to Peak ripple should be less than 200mV
(T4) DISCONNECT	Electronic Load
MEASURE	Power Saving, < 75mW at Cool start of 10 seconds
(T5) CONNECTOR	Electronic Load
SET LOAD	Current 1A
MEASURE	Efficiency > 71.5%
(T6) CONNECTOR	Electronic Load
SET LOAD	Current 0.1A
MEASURE	Efficiency > 64.6%



