



NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT																																								
12	OVER CURRENT PROTECTION	I/P:230VAC O/P: TESTING SPEC: A: 53~75W B: 53~75W C: 53~75W D: 53~75W E: 53~75W	A: <u>59.92W</u> B: <u>63.05W</u> C: <u>60.88W</u> D: <u>66.71W</u> E: <u>57.43W</u>	P																																								
13	OVER VOLTAGE PROTECTION	I/P:230VAC O/P:MIN. LOAD SPEC:115%~135% A : 5.75V~6.75V B :13.8V~16.2V C :17.25V~20.25V D :27.6V~32.4V E :55.2V~64.8V	A: 6.10V B: 13.89V C: 19.06V D: 28.2V E: 61.2V	P																																								
14	GROUND LEAKAGE CURRENT	I/P:240VAC SPEC:L-FG--<0.75mA N-FG--<0.75mA	A: L-FG: <u>0.46mA</u> N-FG: <u>0.48mA</u>	P																																								
15	INSULATION RESISTANCE	SPEC:O/P-FG 500VDC/100M Ohms MIN. I/P-O/P 500VDC/100M Ohms MIN. I/P-FG 500VDC/100M Ohms MIN.	A: O/P-FG :> <u>100M Ohms</u> I/P-O/P :> <u>100M Ohms</u> I/P-FG :> <u>100M Ohms</u>	P																																								
16	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P- O/P: 3000VAC/ 1 sec (10mA CUT-OFF) I/P - FG: 1500VAC/ 1 sec (10mA CUT-OFF) O/P - FG : 500VAC/1sec (10mA CUT-OFF)	A : NO BREAK I/P-O/P : <u>3.29mA</u> I/P-FG : <u>3.49mA</u> O/P- FG : <u>1.88mA</u>	P																																								
17	BURN-IN TEST	I/P: 230VAC O/P:FULL LOAD TA:22.6°C BURN-IN DURATION : 2 hrs	A : NON BREAK	P																																								
18	ENVIRONMENT TEST	1.LOW TEMPERATURE TEST I/P:83 VAC O/P:FULL LOAD AMBIENT TEMPERATURE:-9.4°C	AFTER 1 hrs POWER ON OK	P																																								
		2.HIGH AMBIENT TEMPERATURE FULL LOAD TEST I/P:230 VAC O/P:FULL LOAD AMBIENT TEMPERATURE:43.2°C	AFTER 16.5 hrs NON BREAK																																									
		3.ACCELERATED LIFE TEST I/P:267 VAC O/P:FULL LOAD POWER ON :3 min POWER OFF :5 sec AMBIENT TEMPERATURE:85°C AMBIENT HUMIDITY:95%	AFTER 6 hrs NON BREAK																																									
19	TEMPERATURE RISE TESTT rise OF PARTS	I/P :230VAC AFTER 2 hrs BURN-IN O/P :FULL LOAD TA:22.6°C <table border="1"> <thead> <tr> <th>POSITION</th> <th>P/N</th> <th>TEMP</th> <th>T rise</th> </tr> </thead> <tbody> <tr> <td>BD1</td> <td>BRIDGE DIODE</td> <td>48.3°C</td> <td>25.7°C</td> </tr> <tr> <td>Q1</td> <td>MAIN TRANSFORMER COIL</td> <td>73.4°C</td> <td>50.8°C</td> </tr> <tr> <td>T1</td> <td>MAIN TRANSISTOR</td> <td>63.1°C</td> <td>40.5°C</td> </tr> <tr> <td>T1</td> <td>MAIN TRANSFORMER CORE</td> <td>71.6°C</td> <td>49°C</td> </tr> <tr> <td>D4</td> <td>O/P DIODE</td> <td>77.1°C</td> <td>54.5°C</td> </tr> <tr> <td>C5</td> <td>I/P FILTER CAPACITOR</td> <td>51.1°C</td> <td>28.5°C</td> </tr> <tr> <td>C22</td> <td>O/P FILTER CAPACITOR</td> <td>53.6°C</td> <td>31°C</td> </tr> <tr> <td>D1</td> <td>CLAMP DIODE</td> <td>80.1°C</td> <td>57.5°C</td> </tr> <tr> <td>LF1</td> <td>LINE FILTER</td> <td>37.3°C</td> <td>14.7°C</td> </tr> </tbody> </table>	POSITION	P/N	TEMP	T rise	BD1	BRIDGE DIODE	48.3°C	25.7°C	Q1	MAIN TRANSFORMER COIL	73.4°C	50.8°C	T1	MAIN TRANSISTOR	63.1°C	40.5°C	T1	MAIN TRANSFORMER CORE	71.6°C	49°C	D4	O/P DIODE	77.1°C	54.5°C	C5	I/P FILTER CAPACITOR	51.1°C	28.5°C	C22	O/P FILTER CAPACITOR	53.6°C	31°C	D1	CLAMP DIODE	80.1°C	57.5°C	LF1	LINE FILTER	37.3°C	14.7°C		P
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20	LIFE CYCLE	SUPPOSE C22 IS THE MOST CRITICAL COMPONENT I/P:230VAC O/P:FULL LOAD Ta:25°C Tc22: 56°C Life time: <u>92025.54 hrs</u> I/P:230VAC O/P:FULL LOAD Ta:40°C Tc22: 71°C Life time: <u>32535.94 hrs</u>		P																																								
21	CRITICAL COMPONENT RECORD ( FOR QC INSPECTION REFERENCE ONLY)	FUSE : 4A/250V GFE BRIDGE DIODE : LT KBJ408G LINE FILTER : TF484 ET-20V TRANSFOMER : TF470 ER-28 POWER SWITCHER : K2545 TO3P OUTPUT DIODE : D15SC4M TO-220 OUTPUT CAPACITOR : ELNA 105°C RJH 820uF/ 16V INPUT CAPACITOR : HITACHI 85°C 100uF/ 400V P.C.B : PS-65 CEM-1 2 OZ SS 127mmx76mmx30mm																																										

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
19971210	PS-45	PASS	H.C.LIOU	Max Lin
20010216	PS-45-48	PASS	SAM	Max Lin