

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
6	AC INPUT CURRENT	I/P:230VAC SPEC:1.2A O/P:FULL LOAD	A:0.88A	P
7	MAX. INRUSH CURREN	I/P:230VAC SPEC:45A O/P: FULL LOAD	A:29A	P
8	O/P VOLTAGE ADJ.RANGE	I/P:230VAC SPEC : V1: -5%~+10% O/P:MIN. LOAD	A: 4.397V~5.637V B: 4.47V~5.80V C: 4.53V~5.83V D: 4.47V~5.83V	P
9	SET UP TIME	I/P:230VAC SPEC:800mS O/P:FULL LOAD	A: 381mS	P
10	HOLD UP TIME	I/P:230VAC SPEC:20mS O/P:FULL LOAD	A: 28.1mS	P
11	EFFICIENCY	I/P:230VAC SPEC: O/P:FULL LOAD A:75% B:77% C:77% D:78%	A:76.3% B:78.3% C:78.25% D:78.5%	P
12	OVER LOAD PROTECTION	I/P:230VAC SPEC:105%~150% O/P:TESTING	A:135% B:138% C:132% D:135%	P
13	GROUND LEAKAGE CURRENT	I/P:240VAC SPEC: L-FG--<3.5mA N-FG--<3.5mA	A: L-FG:1.2mA N-FG:1.2mA	P
14	INSULATION RESISTANCE	SPEC : O/P-FG 500VDC/100MΩ MIN. I/P-O/P 500VDC/100MΩ MIN. I/P-FG 500VDC/100MΩ MIN.	A: O/P-FG >100MΩ I/P-O/P >100MΩ I/P-FG >100MΩ	P
15	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P- O/P: 3KVAC/ 1 min. (10mA CUT-OFF) I/P - FG: 1.5KVAC/ 1 min. (10mA CUT-OFF) O/P - FG: 0.5KVAC/ 1 min. (10mA CUT-OFF)	A: I/P-O/P :6.81mA I/P-FG :7.5mA O/P-FG :8.45mA	P
16	BURN-IN TEST	I/P: 230VAC O/P: 100% LOAD TA25°C BURN-IN DURATION : 2 hrs	B:NON BREAK	P
17	ENVIRONMENT TEST	HIGH AMBIENT TEMPERATURE FULL LOAD TEST I/P:230VAC O/P:100% LOAD AMBIENT TEMPERATURE:48.2°C	B:AFTER 4 hrs NON BREAK	P

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18	TEMPERATURE RISE TEST ΔT OF PARTS	A: I/P :230VAC O/P : 100% LOAD AFTER 4 hr BURN-IN TA:48°C	<table border="1"> <thead> <tr> <th>POSITION</th> <th>P/N</th> <th>TEMP</th> <th>ΔT</th> </tr> </thead> <tbody> <tr> <td>BD1</td> <td>BRIDGE DIODE</td> <td>78°C</td> <td>30.0°C</td> </tr> <tr> <td>Q1</td> <td>MAIN TRANSISTOR</td> <td>97°C</td> <td>49°C</td> </tr> <tr> <td>T1</td> <td>MAIN TRANSFORMER WIRE</td> <td>86°C</td> <td>38°C</td> </tr> <tr> <td>D55</td> <td>O/P DIODE</td> <td>95°C</td> <td>47°C</td> </tr> <tr> <td>C57</td> <td>O/P FILTER CAPACITOR</td> <td>82°C</td> <td>48°C</td> </tr> <tr> <td>LF1</td> <td>LINE FILTER TRANSFORMER</td> <td>81.2°C</td> <td>33.2°C</td> </tr> <tr> <td>C5</td> <td>I/P FILTER CAPACITOR</td> <td>68.5°C</td> <td>20.5°C</td> </tr> <tr> <td>D2</td> <td>FLY DIODE</td> <td>84.4°C</td> <td>36.4°C</td> </tr> </tbody> </table>	POSITION	P/N	TEMP	ΔT	BD1	BRIDGE DIODE	78°C	30.0°C	Q1	MAIN TRANSISTOR	97°C	49°C	T1	MAIN TRANSFORMER WIRE	86°C	38°C	D55	O/P DIODE	95°C	47°C	C57	O/P FILTER CAPACITOR	82°C	48°C	LF1	LINE FILTER TRANSFORMER	81.2°C	33.2°C	C5	I/P FILTER CAPACITOR	68.5°C	20.5°C	D2	FLY DIODE	84.4°C	36.4°C	P
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19	LIFE CYCLE	A: SUPPOSE C16 IS THE MOST CRITICAL COMPONENT I/P:230VAC O/P : 100% LOAD Ta:25°C Tc57:60°C Life: 32052 hrs I/P:230VAC O/P : 100% LOAD Ta:50°C Tc57:82°C Life: 19880 hrs		P																																				
20	CRITICAL COMPONENT RECORD (FOR QC INSPECTION REFERENCE ONLY)	A: FUSE :5A/250V BRIDGE DIODE :D3SB60 LINE FILTER :LINE FILTER TF-096 TRANSFORMER :TF471 POWER SWITCHER :2SK2652 OUTPUT DIODE :SBL3040PT OUTPUT CAPACITOR : 2200uF/10V 105°C INPUT CAPACITOR :RUBYCON 100uF/400V 85°C USP																																						

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
2002/04/22	PRODUCT SAMPLE A203A32E TP-150 A TP-150 B TP-150 C TP-150 D	PASS	VINCENT	Max Lin
2002/10/21	PRODUCT SAMPLE A210B27A TP-150 C	PASS	VINCENT	Max Lin
2002/12/05	PRODUCT SAMPLE A211C35G TP-150 A TP-150 D TP-150 B	PASS	VINCENT	Max Lin