



NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
6	AC INPUT CURRENT	I/P:230VAC SPEC:0.75A O/P:FULL LOAD	A:0.598A	P
7	MAX. INRUSH CURREN	I/P:230VAC SPEC:40A O/P: FULL LOAD	A:28.62A	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:78% C:77% D:78%	A:77.3% B:79.31% C:78.25% D:78.85%	P
12	OVER LOAD PROTECTION	I/P:230VAC SPEC:105%~150% O/P:TESTING	A:140% B:145.8% C:132% D:120%	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 :8.81mA I/P-FG :7.4mA O/P-FG :8.45mA	P
16	BURN-IN TEST	I/P: 230VAC O/P: 100% LOAD TA :25°C BURN-IN DURATION : 1.5 hrs	A:NON BREAK	P
17	ENVIRONMENT TEST	HIGH AMBIENT TEMPERATURE FULL LOAD TEST I/P:230VAC O/P:100% LOAD AMBIENT TEMPERATURE:36.2°C	A:AFTER 5 hrs NON BREAK	P

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18	TEMPERATURE RISE TEST ΔT OF PARTS	A: I/P :230VAC O/P : 100% LOAD AFTER 5 hr BURN-IN TA:36.2°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>62.4°C</td> <td>26.24°C</td> </tr> <tr> <td>Q1</td> <td>MAIN TRANSISTOR</td> <td>61.4°C</td> <td>25.2°C</td> </tr> <tr> <td>T1</td> <td>MAIN TRANSFORMER WIRE</td> <td>81°C</td> <td>55°C</td> </tr> <tr> <td>D55</td> <td>O/P DIODE</td> <td>64.4°C</td> <td>44.8°C</td> </tr> <tr> <td>C57</td> <td>O/P FILTER CAPACITOR</td> <td>78.7°C</td> <td>42.5°C</td> </tr> <tr> <td>LF1</td> <td>LINE FILTER TRANSFORMER</td> <td>71.2°C</td> <td>35.0°C</td> </tr> <tr> <td>C5</td> <td>I/P FILTER CAPACITOR</td> <td>55.5°C</td> <td>19.3°C</td> </tr> <tr> <td>D2</td> <td>FLY DIODE</td> <td>74.4°C</td> <td>38.2°C</td> </tr> </tbody> </table>	POSITION	P/N	TEMP	ΔT	BD1	BRIDGE DIODE	62.4°C	26.24°C	Q1	MAIN TRANSISTOR	61.4°C	25.2°C	T1	MAIN TRANSFORMER WIRE	81°C	55°C	D55	O/P DIODE	64.4°C	44.8°C	C57	O/P FILTER CAPACITOR	78.7°C	42.5°C	LF1	LINE FILTER TRANSFORMER	71.2°C	35.0°C	C5	I/P FILTER CAPACITOR	55.5°C	19.3°C	D2	FLY DIODE	74.4°C	38.2°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 Tc57:62.18°C Life: 30252 hrs I/P:230VAC O/P : 100% LOAD Ta:40°C Tc57:78.7°C Life: 14551 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 A203A32A <b>TP-100 A</b> <b>TP-100 B</b> <b>TP-100 C</b> <b>TP-100 D</b>	PASS	VINCENT	<b>Max Lin</b>																																				
2002/10/21	PRODUCT SAMPLE A209A22A <b>TP-100 A</b> <b>TP-100 C</b>	PASS	VINCENT	<b>Max Lin</b>																																				
2002/12/05	PRODUCT SAMPLE A211C35D <b>TP-100 D</b> <b>TP-100 B</b>	PASS	VINCENT	<b>Max Lin</b>																																				