

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
5	RIPPLE&NOISE	I/P:230VAC O/P:FULL LOAD SPEC: A: V1 :100mV V2 :120mV V3 :100mV B: V1 :100mV V2 :120mV V3 :120mV C: V1 :100mV V2 :120mV V3 :120mV D: V1 :100mV V2 :120mV V3 :120mV E: V1 :100mV V2 :50mV V3 :120mV	A: V1:35mV V2:38mV V3:6mV B: V1:26mV V2:11mV V3:10mV C: V1:34mV V2:15mV V3:12mV D: V1:33mV V2:58mV V3:4mV E: V1:28mV V2:19mV V3:1mV	P
6	AC INPUT CURRENT	I/P:230VAC O/P:FULL LOAD SPEC:0.8A	B:0.456A	P
7	MAX. INRUSH CURREN	I/P:230VAC O/P: FULL LOAD SPEC:40A	B:13.8A	P
8	O/P VOLTAGE ADJ.RANGE	I/P:230VAC O/P:MIN. LOAD SPEC: V1: -5%~+10%	A: 4.48V~5.795V B: 4.452V~5.819V C: 4.466V~5.785V D: 4.571V~5.834V E: 4.506V~5.841V	P
9	SET UP TIME	I/P:230VAC O/P:FULL LOAD SPEC:800mS	B: 412mS	P
10	HOLD UP TIME	I/P:230VAC O/P:FULL LOAD SPEC:20mS	B: 47.4mS	P
11	EFFICIENCY	I/P:230VAC O/P:FULL LOAD SPEC: A:70% B:70% C:70% D:70% E:70%	A: 70.75% B: 73.68% C: 75.2% D: 73.419% E: 72.393%	P
12	OVER LOAD PROTECTION	I/P:230VAC O/P:TESTING SPEC:105%~150%	A: 116% B: 120% C: 127% D: 118% E: 117.9%	P
13	GROUND LEAKAGE CURRENT	I/P:240VAC SPEC: L-FG--<2mA N-FG--<2mA	A: L-FG:0.95mA N-FG:0.7mA	P
14	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.	B: O/P-FG >100M Ohms I/P-O/P >100M Ohms I/P-FG >100M Ohms	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)	B: I/P-O/P :4.6mA I/P-FG :4.7mA O/P-FG :12.2mA	P
16	BURN-IN TEST	I/P: 230VAC O/P: FULL LOAD TA:27.4°C BURN-IN DURATION :4 hrs	A:NON BREAK	P
17	ENVIRONMENT TEST (SAMPLE C:)	HIGH AMBIENT TEMPERATURE FULL LOAD TEST I/P:230VAC O/P:FULL LOAD AMBIENT TEMPERATURE:33.5°C	A:AFTER 3 hrs NON BREAK	P

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18	TEMPERATURE RISE TEST T rise OF PARTS	<p>A: I/P :230VAC O/P :FULL LOAD</p> <p>AFTER 4 hr BURN-IN TA:27.4°C</p> <table border="1"> <thead> <tr> <th></th> <th>POSITION</th> <th>P/N</th> <th>TEMP</th> <th>T rise</th> </tr> </thead> <tbody> <tr> <td></td> <td>BD1</td> <td>BRIDGE DIODE</td> <td>85.3°C</td> <td>58.9°C</td> </tr> <tr> <td></td> <td>Q1</td> <td>MAIN TRANSISTOR</td> <td>81.2°C</td> <td>53.8°C</td> </tr> <tr> <td></td> <td>T1</td> <td>MAIN TRANSFORMER WIRE</td> <td>103.6°C</td> <td>76.2°C</td> </tr> <tr> <td></td> <td>D19</td> <td>O/P DIODE</td> <td>98.3°C</td> <td>70.9°C</td> </tr> <tr> <td></td> <td>C56</td> <td>O/P FILTER CAPACITOR</td> <td>91.5°C</td> <td>64.1°C</td> </tr> <tr> <td></td> <td>RG1</td> <td>REGULATOR</td> <td>119.1°C</td> <td>91.7°C</td> </tr> <tr> <td></td> <td>LF1</td> <td>LINE FILTER TRANSFORMER</td> <td>71.6°C</td> <td>44.2°C</td> </tr> <tr> <td></td> <td>C5</td> <td>I/P FILTER CAPACITOR</td> <td>72.7°C</td> <td>45.3°C</td> </tr> <tr> <td></td> <td>D2</td> <td>FLY DIODE</td> <td>79.6°C</td> <td>52.2°C</td> </tr> </tbody> </table>		POSITION	P/N	TEMP	T rise		BD1	BRIDGE DIODE	85.3°C	58.9°C		Q1	MAIN TRANSISTOR	81.2°C	53.8°C		T1	MAIN TRANSFORMER WIRE	103.6°C	76.2°C		D19	O/P DIODE	98.3°C	70.9°C		C56	O/P FILTER CAPACITOR	91.5°C	64.1°C		RG1	REGULATOR	119.1°C	91.7°C		LF1	LINE FILTER TRANSFORMER	71.6°C	44.2°C		C5	I/P FILTER CAPACITOR	72.7°C	45.3°C		D2	FLY DIODE	79.6°C	52.2°C		P
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19	LIFE CYCLE	<p>A: SUPPOSE C16 IS THE MOST CRITICAL COMPONENT</p> <p>I/P:230VAC O/P:FULL LOAD Ta:25°C Tc16:91.5°C Life: 21617.8 hrs</p> <p>I/P:230VAC O/P:FULL LOAD Ta:30°C Tc16:93.4°C Life: 20468.7 hrs</p>		P
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20	CRITICAL COMPONENT RECORD (FOR QC INSPECTION REFERENCE ONLY)	<p>A: FUSE :3AL/250V</p> <p>BRIDGE DIODE :D3SB60</p> <p>LINE FILTER :LINE FILTER TF-578</p> <p>TRANSFORMER :TF-746</p> <p>POWER SWITCHER :2SK2652</p> <p>OUTPUT DIODE :BYQ28X-200</p> <p>OUTPUT CAPACITOR :2200uF/10V 105°C LXZ</p> <p>INPUT CAPACITOR :100uF/400V 105°C</p> <p>P.C.B :TP - 75-R1</p>		
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DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
20010413	RD SAMPLE TP75A TP75B TP75C TP75D TP7503	PASS	VINCENT	Max Lin
20010711	PRODUCT A104C26 TP75A TP75B TP75C TP75D TP7503	PASS	VINCENT	Max Lin
20020827	PRODUCT A205D26 TP75B TP75C	PASS	VINCENT	Max Lin