

| NO | TEST ITEM | TEST CONDITION/SPECIFICATION | RESULT | VERDICT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---|---|-----------------------------|----------|-----|------|--------|--|-----|--------------|--------|--------|--|----|-----------------|--------|--------|--|----|------------------|--------|--------|--|----|-----------|--------|--------|--|-----|----------------------|--------|--------|--|----|----------------|--------|--------|--|----|-----------|--------|--------|---|
| 18 | ENVIRONMENT TEST | HIGH AMBIENT TEMPERATURE FULL LOAD TEST I/P:230 VAC O/P:FULL LOAD AMBIENT TEMPERATURE:45°C | A: AFTER4hrs NONBREAK | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | TEMPERATURE RISE T rise OF PARTS | A: I/P :230VAC AFTER 4 hrs BURN-IN O/P :FULL LOAD TA:25°C <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>55.5°C</td> <td>30.5°C</td> </tr> <tr> <td></td> <td>Q1</td> <td>MAIN TRANSISTER</td> <td>65.1°C</td> <td>40.1°C</td> </tr> <tr> <td></td> <td>T1</td> <td>MAIN TRANSFORMER</td> <td>74.3°C</td> <td>49.3°C</td> </tr> <tr> <td></td> <td>D4</td> <td>O/P DIODE</td> <td>82.3°C</td> <td>57.3°C</td> </tr> <tr> <td></td> <td>C22</td> <td>O/P FILTER CAPACITOR</td> <td>73.2°C</td> <td>48.2°C</td> </tr> <tr> <td></td> <td>D1</td> <td>CLAMPING DIODE</td> <td>77.5°C</td> <td>52.5°C</td> </tr> <tr> <td></td> <td>L1</td> <td>O/P CHOKE</td> <td>83.1°C</td> <td>58.1°C</td> </tr> </tbody> </table> | | POSITION | P/N | TEMP | T rise | | BD1 | BRIDGE DIODE | 55.5°C | 30.5°C | | Q1 | MAIN TRANSISTER | 65.1°C | 40.1°C | | T1 | MAIN TRANSFORMER | 74.3°C | 49.3°C | | D4 | O/P DIODE | 82.3°C | 57.3°C | | C22 | O/P FILTER CAPACITOR | 73.2°C | 48.2°C | | D1 | CLAMPING DIODE | 77.5°C | 52.5°C | | L1 | O/P CHOKE | 83.1°C | 58.1°C | P |
| | POSITION | P/N | TEMP | T rise | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BD1 | BRIDGE DIODE | 55.5°C | 30.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Q1 | MAIN TRANSISTER | 65.1°C | 40.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T1 | MAIN TRANSFORMER | 74.3°C | 49.3°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D4 | O/P DIODE | 82.3°C | 57.3°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | C22 | O/P FILTER CAPACITOR | 73.2°C | 48.2°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | D1 | CLAMPING DIODE | 77.5°C | 52.5°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L1 | O/P CHOKE | 83.1°C | 58.1°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | LIFE CYCLE | SUPPOSE C22 IS THE MOST CRITICAL COMPONENT I/P:230VAC O/P:FULL LOAD Ta:25°C Tc22:73.2°C Life time:47578hrs I/P:230VAC O/P:FULL LOAD Ta:45°C Tc22:85.1°C Life time:20853hrs | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | CRITICAL COMPONENT RECORD (FOR QC INSPECTION REFERENCE ONLY) | FUSE :F4A/250VAC UL BRIDGE DIODE :LT KB406G LINE FILTER :LS TF-484-R1 ET-20V TRANSFOMER :LS TF-447-R1 ETD-34 POWER SWITCHER :K2545 6A/600V TO-220F OUTPUT DIODE :SF10SC4 10A/40V TO-220F OUTPUT CAPACITOR :ELNA 3300uF/10V 105°C RJH INPUT CAPACITOR :HITACHI 150uF/400V,85°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE | SAMPLE | TEST RESULT | TEST | APPROVL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20020102 | MPD-45A MPD-45B | PASS | VINCENT | MAX LIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20020720 | PRODUCT A206C11 MPD-45A | PASS | VINCENT | MAX LIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |