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| No. | Test item                            | Conditions  | Conditions of acceptability  | Result |
|-----|--------------------------------------|---|--|--------|
| 1   | High temp./Overload test             | (1) Input : 100VAC<br>(2) Output : Overload<br>(3) Ambient temp. : 60°C<br>(4) Test period : 48 hours   | (1) The power supply is not failed.  | Pass   |
| 2   | No ventilation test                  | (1) Input : 264VAC<br>(2) Output : Rated current<br>(3) Ambient temp. : 25±10°C<br>(4) Test period : 48 hours   | (1) No smoke or fire.  | Pass   |
| 3   | Capacitance reduction test           | (1) Input : 100VAC<br>(2) Output : Rated current<br>(3) Ambient temp. : 25±10°C   | (1) No smoke or fire.<br>(2) No rise on the output voltage.  | Pass   |
| 4   | Low voltage input test               | (1) Input : Min. regulation voltage (47VAC)<br>(2) Output : Rated current<br>(3) Ambient temp. : 25±10°C<br>(4) Test period : 48 hours  | (1) The power supply is not failed.  | Pass   |
| 5   | Input On/Off test                    | (1) Input : 264VAC<br>T = 2sec, Duty = 50%<br>(2) Output : Rated current<br>(3) Ambient temp. : 85°C<br>(4) On/Off period : 1,000 times   | (1) The power supply is not failed.<br>(2) The surge current into each component does not exceed the rated value.                  | Pass   |
| 6   | Output On/Off test                   | (1) Input : 230VAC<br>(2) Output : 0% ⇔ 100%<br>T = 2sec, Duty = 50%<br>(3) Ambient temp. : 25±10°C<br>(4) On/Off period : 1,000 times  | (1) The power supply is not failed.  | Pass   |
| 7   | Output-short start test              | (1) Input : 100/230VAC<br>(2) Output : Short-circuit<br>(3) Ambient temp. : 25±10°C   | (1) The power supply is not failed.  | Pass   |
| 8   | Output short test                    | (1) Input : 100/230VAC<br>(2) Output : Short-circuit<br>(3) Ambient temp. : 25±10°C<br>(4) Test period : 48 hours   | (1) The power supply is not failed.  | Pass   |
| 9   | Withstand voltage test (Hi-Pot test) | (1) Input : No input<br>(2) Ambient temp. : 25±10°C<br>(3) Test voltage : specifications  | (1) Insulation breakdown, flashover or electric arc is not occurred.   | Pass   |
| 10  | Isolation resistance test            | (1) Input : No input<br>(2) Ambient temp. : 25±10°C   | (1) Satisfies the specifications.  | Pass   |
| 11  | Vibration/Impact test                | Vibration (1) f = 10 - 55Hz, 19.6 m/s <sup>2</sup><br>(2) 3 minutes period<br>(3) 60 minutes along X, Y and Z axis<br><br>Impact (1) 196.1 m/s <sup>2</sup> , 11msec<br>(2) Once each X, Y and Z axis | (1) No degradation of electric characteristics after test.<br>(2) No crack at solder joint.<br>(3) No marked damage of appearance. | Pass   |
| 12  | Line noise tolerance test            | (1) Input : 230VAC<br>(2) Output : Rated current<br>(3) Ambient temp. : 25±10°C<br>(4) Test Voltage : ±3 kV<br>(5) Pulse width : 50~1000nsec<br>(6) Mode : Normal                                     | (1) No protection circuit failure.<br>(2) No output voltage drop with control circuit failure.<br>(3) No function fail.            | Pass   |