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| No. | Test item | Conditions | Conditions of acceptability | Result |
|-----|--|--|--|--------|
| 1 | High temp./overload test | (1) Input : 100/230VAC (2) Output : Overload (3) Ambient temp. : 50°C (4) Test period : 48 hours | (1) The power supply is not failed. | Pass |
| 2 | No ventilation test | (1) Input : 100VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test period : 48 hours | (1) No smoke or fire. | Pass |
| 3 | Capacitance reduction test | (1) Input : 230VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C | (1) No smoke or fire. (2) No rise on the output voltage. | Pass |
| 4 | Low voltage input test | (1) Input : Min. regulation voltage (AC75V) (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test period : 48 hours | (1) The power supply is not failed. | Pass |
| 5 | Input On/Off test | (1) Input : 200VAC T= 2sec Duty= 50% (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) On/Off period : 10,000 times | (1) The power supply is not failed. (2) The surge current into each component does not exceed the rated value. | Pass |
| 6 | Output On/Off test | (1) Input: 264VAC (2) Output : 0% ⇔ 100% T= 2sec Duty= 50% (3) Ambient temp. : 25±10°C (4) On/Off period : 10,000times | (1) The power supply is not failed. | Pass |
| 7 | Output-short start test | (1) Input : 100VAC (2) Output : Short-circuit (3) Ambient temp. : 25±10°C | (1) The power supply is not failed. | Pass |
| 8 | Output short test | (1) Input : 90VAC (2) Output : Short-circuit (3) Ambient temp. : 25±10°C (4) Test period : 48 hours | (1) The power supply is not failed. | Pass |
| 9 | Withstand voltage test (High-pot test) | (1) Input : No input (2) Ambient temp. : 25±10°C (3) The applied voltage is 1.25 times of specifications. | (1) Insulation breakdown, flashover or electric arc is not occurred. | Pass |
| 10 | Isolation resistance test | (1) Input : No input (2) Ambient temp. : 25±10°C | (1) Satisfies the specification.□ | Pass |
| 11 | Vibration/impact test | Vibration (1)f=10 ~ 150Hz : 29.4m/s ² (2)3 minutes period (3)60 minutes along X, Y and Z axis Impact (1) 294.2 m/s ² , 11msec (2)Once each X, Y and Z axis | (1) No degradation of electric characteristics after test. (2) No crack at solder joint. (3) No marked damage of appearance. | Pass |
| 12 | Line noise tolerance test | (1) Input : 100V/ 230VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test Voltage : ±3 kV (5) Pulse width : 50~1000nS (6) Mode : Normal and Common | (1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure. | Pass |