

Approved : Takashi Yamamine

Prepared : Seiya Shimada

No.	Test item	Conditions	Conditions of acceptability	Result
1	High temp./Overload test	(1) Input : 100/230VAC (2) Output : Overload (3) Ambient temp. : 40°C (5,12,15V) : 50°C (24,32,48V) (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
2	No ventilation test	(1) Input : 100/230VAC (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 (AC90V) (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 = 20sec, 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 : 230VAC (2) Output : 0% ⇔ 100% T = 2sec, Duty = 50% (3) Ambient temp. : 25±10°C (4) On/Off period : 1,000 times	(1) The power supply is not failed.	Pass
7	Output-short start test	(1) Input : 100/230VAC (2) Output : Short-circuit (3) Ambient temp. : 25±10°C	(1) The power supply is not failed.	Pass
8	Output short test	(1) Input : 100/230VAC (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 (Hi-Pot test)	(1) Input : No input (2) Ambient temp. : 25±10°C (3) Test voltage : 1.4 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, 29.4 m/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 : 230VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test Voltage : ±3 kV (5) Pulse width : 50~1000nsec (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