

Approved : Junya Kaneda

Prepared : Yasushi Fukumura

No.	Test item	Conditions	Conditions of acceptability	Result
1	High temp./Overload test	(1) Input voltage (AC90V) (2) Overload (3) Ambient temp. 50°C (4) Test period 48 hours	(1) The power supply is not failed.	Pass
2	No ventilation test	(1) Rated input (AC100V/AC230V) (2) Rated output (3) Ambient temp. 25±10°C (4) Test period 48 hours	(1) No smoke or fire.	Pass
3	Capacitance reduction test	(1) Rated input (AC100V) (2) Rated output (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 (AC76V) (2) Rated output (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) No smoke or fire. (2) No rise on the output voltage.	Pass
5	Input On/Off test	(1) Input voltage (AC230V/AC264V) T= 2sec Duty= 50% (2) Rated output (3) Ambient temp. 25±10°C /70°C (4) On/Off period 10,000/1,000	(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) Rated input (AC230V) (2) Output 0%←→100% T= 2sec Duty= 50% (3) Ambient temp. 25±10°C (4) On/Off period 1,000	(1) The power supply is not failed.	Pass
7	Output-short start test	(1) Rated input (AC100V) (2) Output short start (3) Ambient temp. : 25±10°C	(1) The power supply is not failed.	Pass
8	Output short test	(1) Rated input (AC100V/AC230V) (2) Output short (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)When a regulation voltage is applied, isolation resistance is 1.4 times of specifications.	Pass
11	Vibration/Impact test	Vibration (1) f = 10~150Hz . 29.4 m/s <sup>2</sup> (2) 3 minutes period (3) 60 minutes along X, Y and Z axis  Impact (1) 294 m/s <sup>2</sup> , 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) Rated input (AC230V) (2) Rated output (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