

Approved : Kenichi Tsukada

Prepared : Kanto Kakizawa

No.	Test item	Conditions	Conditions of acceptability	Result
1	High temp./Overload test	(1) Input : Max.voltage, Min.voltage (2) Output : Overload (3) Ambient temp. : 85°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
2	High voltage input test	(1) Input : 2 times of rated voltage (2) Output : Rated output (3) Ambient temp. : 25±10°C	(1) No smoke or fire.	Pass
3	Low voltage input test	(1) Input : Min. regulation voltage (2) Output : Rated output (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
4	Input ON/OFF test	(1) Input : Rated input T= 2sec Duty= 50% (2) Output : Rated output (3) Ambient temp. : 25±10°C (4) ON/OFF period : 10,000	(1) The power supply is not failed. (2) The surge current into each component does not exceed the rated value.	Pass
5	Output ON/OFF test	(1) Input : Rated input (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
6	Output-short start test	(1) Input : Max.voltage, Min.voltage (2) Output : Short start (3) Ambient temp. : 25±10°C	(1) The power supply is not failed.	Pass
7	Output short test	(1) Input : Max.voltage, Min.voltage (2) Output : Short (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
8	Withstand voltage test (Hi-Pot test)	(1) Input : No input (2) Ambient temp. : 25±10°C (3) Test voltage : specifications	(1) Insulation breakdown, flashover or electric arc is not occurred.	Pass
9	Isolation resistance test	(1) Input : No input (2) Ambient temp. : 25±10°C	(1) Satisfies the specifications.	Pass
10	Vibration/Impact test	Vibration (1) f = 10 - 150Hz, 147.0 m/s ² (2) 3 minutes period (3) 60 minutes along X, Y and Z axis Impact (1) 735.0 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