

ABNORMAL TEST RESULT

OF MODEL ADA600F

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/30 ~ 28/30)

(Abnormal Test Result: 29/30 ~ 30/30)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.

F M E A

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C102	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C110	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C112	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C114	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C115	Open	Normal operation.	
	Short	Normal operation.	
C116	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C117	Open	R186 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
C118	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C119	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C121	Open	Normal operation.	
	Short	Normal operation.	
C122	Open	Normal operation.	
	Short	Normal operation.	
C123	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C124	Open	See 29 Page.	
	Short	See 29 Page.	
C125	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
C126	Open	Normal operation.	
	Short	Normal operation.	
C127	Open	Normal operation.	
	Short	Normal operation.	
C130	Open	F101 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
C132	Open	Normal operation.	
	Short	Normal operation.	
C133	Open	Normal operation.	
	Short	Normal operation.	
C135	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C151	Open	R186 opened, No hazard.	AVR1:0
	Short	R186 opened, No hazard.	AVR1:0
C152	Open	R186 opened, No hazard.	AVR1:0
	Short	R186 opened, No hazard.	AVR1:0
C201	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Open	Normal operation.	
	Short	Normal operation.	
C203	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	
	Short	Normal operation.	
C205	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C206	Open	Normal operation.	
	Short	Normal operation.	
C208	Open	Normal operation.	
	Short	Normal operation.	
C209	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	
	Short	Normal operation.	
C211	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C213	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C214	Open		Normal operation.	
	Short		Normal operation.	
C503	Open		Normal operation.	
	Short		Normal operation.	
C504	Open		Normal operation.	
	Short		Normal operation.	
C505	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	
C506	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	
C507	Open		Normal operation.	
	Short		Normal operation.	
C508	Open		Normal operation.	
	Short		Normal operation.	
C510	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C511	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C512	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C513	Open		Normal operation.	
	Short		No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
C520	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	
C521	Open	Only24	Normal operation.	
	Short	Only24	Normal operation.	
C601	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C602	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C603	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C604	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C605	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C606	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C608	Open		Normal operation.	
	Short		Normal operation.	
C609	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
C610	Open		Normal operation.	
	Short		Normal operation.	
C611	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C612	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C619	Open	Normal operation.	
	Short	Normal operation.	
C651	Open	Normal operation.	
	Short	Normal operation.	
C655	Open	Normal operation.	
	Short	Normal operation.	
D101	Open	R186 opened, No hazard.	AVR1:0
	Short	Normal operation.	
D102	Open	Normal operation.	
	Short	Normal operation.	
D103	Open	Normal operation.	
	Short	Normal operation.	
D104	Open	See 29 Page.	
	Short	See 29 Page.	
D105	Open	See 29 Page.	
	Short	See 29 Page.	
D106	Open	Normal operation.	
	Short	R186 opened, No hazard.	AVR1:0
D107	Open	Normal operation.	
	Short	Normal operation.	
D109	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
D111	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
D151	Open	R186 opened, No hazard.	AVR1:0
	Short	R186 opened, No hazard.	AVR1:0
D152	Open	R186 opened, No hazard.	AVR1:0
	Short	R186 opened, No hazard.	AVR1:0
D201	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D202	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D206	Open	Normal operation.	
	Short	Normal operation.	
D207	Open	Normal operation.	
	Short	Normal operation.	
D208	Open	Normal operation.	
	Short	Normal operation.	
D212	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D601	Open	Normal operation.	
	Short	Normal operation.	
D602	Open	Normal operation.	
	Short	Normal operation.	
D604	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
D606	Open		Normal operation.	
	Short		Normal operation.	
D608	Open		Normal operation.	
	Short		Normal operation.	
D610	Open		Normal operation.	
	Short		Normal operation.	
D651	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D652	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
IC101	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	F101 opened, No hazard.	AVR1:0
		8	F101 opened, No hazard.	AVR1:0
		9	Output voltage decreased. No hazard.	AVR1:decreased
		10	Output voltage decreased. No hazard.	AVR1:decreased
		11	Normal operation.	
		12	R186 opened, No hazard.	AVR1:0
		13	F101 opened, No hazard.	AVR1:0
		14	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	15	F101 opened, No hazard.	AVR1:0
		16	F101 opened, No hazard.	AVR1:0
	Short	1-2	R186 opened, No hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	R186 opened, No hazard.	AVR1:0
		5-6	R186 opened, No hazard.	AVR1:0
		6-7	Normal operation.	
		7-8	R186 opened, No hazard.	AVR1:0
		9-10	Normal operation.	
		10-11	R186 opened, No hazard.	AVR1:0
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	R186 opened, No hazard.	AVR1:0
		14-15	F101 opened, No hazard.	AVR1:0
		15-16	F101 opened, No hazard.	AVR1:0
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	F101 opened, No hazard.	AVR1:0
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	9	Normal operation.	
		10	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		13	Output voltage decreased. No hazard.	AVR1:decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	AVR1:0
		18	Output voltage decreased. No hazard.	AVR1:decreased
		19	Output voltage decreased. No hazard.	AVR1:decreased
		20	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
		19-20	No hazard.	AVR1:0
IC601	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		K-R	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No Hazard.	AVR1:0
IC602	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	Normal operation.	
IC603	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC603	Open	7	Normal operation.	
		8	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		5-6	Normal operation.	
		6-7	No Hazard.	AVR1:0
		7-8	Normal operation.	
J201	Open		No Hazard.	AVR1:0
J601	Open		Normal operation.	
J602	Open		No Hazard.	AVR1:0
J603	Open		No Hazard.	AVR1:0
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L103	Open	5, 6or9, 10	No Hazard.	AVR1:0
		1or2	See 29 Page.	
		7or8	R186 opened, No hazard.	AVR1:0
	Short	5, 6or9, 10	F101 opened, No hazard.	AVR1:0
		1or2	F101 opened, No hazard.	AVR1:0
		7or8	F101 opened, No hazard.	AVR1:0
L104	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
L105	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L106	Open		Normal operation.	
	Short		Normal operation.	
L107	Open		Normal operation.	
	Short		Normal operation.	
L108	Open		Normal operation.	
	Short		Normal operation.	
L201	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L202	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L501	Open		Normal operation.	
	Short		Normal operation.	
L502	Open		Normal operation.	
	Short		Normal operation.	
L507	Open		F101 opened, No hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L601	Open		Normal operation.	
	Short		Normal operation.	
LED501	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	
R102	Open		Normal operation.	
R103	Open		Normal operation.	
R104	Open		Normal operation.	
R105	Open		Normal operation.	
R106	Open		Normal operation.	
R107	Open		Normal operation.	
R119	Open		R186 opened, No hazard.	AVR1:0
R121	Open		R186 opened, No hazard.	AVR1:0
R122	Open		R186 opened, No hazard.	AVR1:0
R123	Open		R186 opened, No hazard.	AVR1:0
R124	Open		R186 opened, No hazard.	AVR1:0
R126	Open		Normal operation.	
R127	Open		Normal operation.	
R128	Open		Normal operation.	
R129	Open		Normal operation.	
R130	Open		Normal operation.	
R131	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R132	Open	Normal operation.	
R133	Open	Normal operation.	
R134	Open	Normal operation.	
R135	Open	R186 opened, No hazard.	AVR1:0
R136	Open	R186 opened, No hazard.	AVR1:0
R137	Open	Normal operation.	
R138	Open	Normal operation.	
R139	Open	Normal operation.	
R140	Open	R186 opened, No hazard.	AVR1:0
R141	Open	Normal operation.	
R142	Open	Normal operation.	
R143	Open	Normal operation.	
R144	Open	Normal operation.	
R145	Open	Normal operation.	
R146	Open	Normal operation.	
R147	Open	F101 opened, No hazard.	AVR1:0
R149	Open	Normal operation.	
R150	Open	Normal operation.	
R151	Open	R186 opened, No hazard.	AVR1:0
R153	Open	Normal operation.	
R157	Open	See 29 Page.	
R158	Open	R186 opened, No hazard.	AVR1:0
R159	Open	R186 opened, No hazard.	AVR1:0
R165	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R166	Open	Normal operation.	
R167	Open	Normal operation.	
R168	Open	Normal operation.	
R169	Open	R186 opened, No hazard.	AVR1:0
R170	Open	F101 opened, No hazard.	AVR1:0
R171	Open	F101 opened, No hazard.	AVR1:0
R172	Open	F101 opened, No hazard.	AVR1:0
R176	Open	Normal operation.	
R181	Open	Normal operation.	
R182	Open	Normal operation.	
R183	Open	Normal operation.	
R184	Open	Normal operation.	
R185	Open	R186 opened, No hazard.	AVR1:0
R186	Open	Normal operation.	
R187	Open	Normal operation.	
R188	Open	Normal operation.	
R189	Open	Normal operation.	
R191	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	No Hazard.	AVR1:0
R209	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R210	Open		No Hazard.	AVR1:0
R211	Open		Output voltage decreased. No hazard.	AVR1:decreased
R212	Open		Output voltage decreased. No hazard.	AVR1:decreased
R213	Open		Normal operation.	
R214	Open		Normal operation.	
R215	Open		Normal operation.	
R216	Open		Normal operation.	
R217	Open		F101 opened, No hazard.	AVR1:0
R218	Open		F101 opened, No hazard.	AVR1:0
R220	Open		Normal operation.	
R221	Open		F101 opened, No hazard.	AVR1:0
R222	Open		F101 opened, No hazard.	AVR1:0
R228	Open		Normal operation.	
R230	Open		Normal operation.	
R231	Open		Normal operation.	
R232	Open		Normal operation.	
R503	Open		Normal operation.	
R504	Open	Except 24	Normal operation.	
R505	Open		Normal operation.	
R506	Open		Normal operation.	
R507	Open		Normal operation.	
R508	Open		Normal operation.	
R510	Open		Normal operation.	
R511	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R513	Open		Normal operation.	
R520	Open		Normal operation.	
R521	Open		Normal operation.	
R522	Open		Normal operation.	
R523	Open		Normal operation.	
R526	Open	Only36, 48	Normal operation.	
R601	Open		No Hazard.	AVR1:0
R602	Open		Output voltage decreased. No hazard.	AVR1:decreased
R603	Open		Output voltage decreased. No hazard.	AVR1:decreased
R604	Open		No Hazard.	AVR1:0
R605	Open		Normal operation.	
R606	Open		No Hazard.	AVR1:0
R607	Open		Output voltage decreased. No hazard.	AVR1:decreased
R608	Open		No Hazard.	AVR1:0
R609	Open		Output voltage decreased. No hazard.	AVR1:decreased
R610	Open		Output voltage decreased. No hazard.	AVR1:decreased
R611	Open		No Hazard.	AVR1:0
R612	Open		No Hazard.	AVR1:0
R613	Open		Output voltage decreased. No hazard.	AVR1:decreased
R614	Open	Only48	Output voltage decreased. No hazard.	AVR1:decreased
R615	Open		No Hazard.	AVR1:0
R616	Open		Output voltage decreased. No hazard.	AVR1:decreased
R617	Open		No Hazard.	AVR1:0
R618	Open		No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
R621	Open		Normal operation.	
R622	Open		Normal operation.	
R625	Open		No Hazard.	AVR1:0
R626	Open		No Hazard.	AVR1:0
R627	Open		Normal operation.	
R633	Open		Normal operation.	
R634	Open		Normal operation.	
R635	Open		Normal operation.	
R636	Open		Normal operation.	
R637	Open		Normal operation.	
R640	Open		No Hazard.	AVR1:0
R641	Open		Normal operation.	
R642	Open		No Hazard.	AVR1:0
R644	Open		Normal operation.	
R646	Open		Normal operation.	
R651	Open		No Hazard.	AVR1:0
R652	Open		No Hazard.	AVR1:0
R653	Open		Normal operation.	
R655	Open		Normal operation.	
R661	Open	Only24	No Hazard.	AVR1:0
R692	Open		Normal operation.	
R694	Open		No Hazard.	AVR1:0
SCR151	Open	A	R186 opened, No hazard.	AVR1:0
		K	R186 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
SCR151	Open	G	R186 opened, No hazard.	AVR1:0
	Short	A-K	Normal operation.	
		A-G	Normal operation.	
		K-G	R186 opened, No hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS103	Open	Cathode	F101 opened, No hazard.	AVR1:0
		Alternative	Normal operation.	
	Short		F101 opened, No hazard.	AVR1:0
SS501	Open	Cathode	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS502	Open	Cathode	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS503	Open	Cathode	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS504	Open	Cathode	No Hazard. Except48V	AVR1:0
		Alternative	No Hazard. Except48V	AVR1:0
	Short		No Hazard. Except48V	AVR1:0
T201	Open	12or14	No Hazard.	AVR1:0
		9or10	No Hazard.	AVR1:0
		1, 2or3, 4	F101 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Short	12or14	No Hazard.	AVR1:0
		9or10	No Hazard.	AVR1:0
		1, 2or3, 4	No Hazard.	AVR1:0
T203	Open	1or2	No Hazard.	AVR1:0
		3or4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
T204	Open	1or2	No Hazard.	AVR1:0
		3or4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
THSW201	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
THSW502	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
TR101	Open	D	See 29 Page.	
		S	See 29 Page.	
		G	See 29 Page.	
	Short	D-S	See 29 Page.	
		S-G	See 29 Page.	
		G-D	See 29 Page.	
TR102	Open	D	See 29 Page.	
		S	See 29 Page.	
		G	See 29 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Short	D-S	See 29 Page.	
		S-G	See 29 Page.	
		G-D	See 29 Page.	
TR106	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	R186 opened, No hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	R186 opened, No hazard.	AVR1:0
TR107	Open	C	R186 opened, No hazard.	AVR1:0
		E	R186 opened, No hazard.	AVR1:0
		B	R186 opened, No hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	R186 opened, No hazard.	AVR1:0
		B-C	Normal operation.	
TR108	Open	C	R186 opened, No hazard.	AVR1:0
		E	R186 opened, No hazard.	AVR1:0
		B	R186 opened, No hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	R186 opened, No hazard.	AVR1:0
		B-C	Normal operation.	
TR109	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR109	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR120	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	R186 opened, No hazard.	AVR1:0
		B-C	F101 opened, No hazard.	AVR1:0
TR121	Open	C	F101 opened, No hazard.	AVR1:0
		E	F101 opened, No hazard.	AVR1:0
		B	F101 opened, No hazard.	AVR1:0
	Short	C-E	R186 opened, No hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	R186 opened, No hazard.	AVR1:0
TR201	Open	D	See 29 Page.	
		S	See 29 Page.	
		G	See 29 Page.	
	Short	D-S	See 29 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR202	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR208	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	
TR211	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR213	Open	C	F101 opened, No hazard.	AVR1:0
		E	F101 opened, No hazard.	AVR1:0
		B	F101 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR601	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR601	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	No Hazard.	AVR1:0
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR602	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	No Hazard.	AVR1:0
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	No Hazard.	AVR1:0
TR605	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	
TR606	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR652	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR652	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	
VR201	Open	brush	Normal operation.	
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
VR601	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
ZD101	Open		R186 opened, No hazard.	AVR1:0
	Short		Normal operation.	
ZD102	Open		Normal operation.	
	Short		Normal operation.	
ZD103	Open		Normal operation.	
	Short		Normal operation.	
ZD104	Open		Normal operation.	
	Short		R186 opened, No hazard.	AVR1:0
ZD201	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD521	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD522	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD602	Open		No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
ZD602	Short		Normal operation.	
ZD603	Open		Normal operation.	
	Short		Normal operation.	
ZD608	Open		Normal operation.	
	Short		Normal operation.	
ZD609	Open		Normal operation.	
	Short		Normal operation.	
ZD610	Open	Except 24	No Hazard.	AVR1:0
	Short	Except 24	Normal operation.	
ZD611	Open		Normal operation.	
	Short		Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C124	Open		Normal operation.	
	Short		Normal operation.	
D104	Open		Normal operation.	
	Short		Normal operation.	
D105	Open		Normal operation.	
	Short		Normal operation.	
L103	Open	1or2	Normal operation.	
R157	Open		Normal operation.	
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR102	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR201	Open	D	Normal operation.	
		S	Normal operation.	
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR201	Short	S-G	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR202	Open	D	Normal operation.	
		S	Normal operation.	
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0