

ABNORMAL TEST RESULT

OF MODEL ADA750F

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 : 2/37 ~ 34/37)

(Abnormal Test Result: 35/37 ~ 37/37)

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
C109	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C110	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C113	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C114	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C115	Open	Normal operation.	
	Short	Normal operation.	
C116	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C117	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C118	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C119	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C120	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C121	Open	Normal operation.	
	Short	Normal operation.	
C122	Open	Normal operation.	
	Short	Normal operation.	
C123	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C124	Open	See 35 Page.	
	Short	See 35 Page.	
C125	Open	Normal operation.	
	Short	R144 opened, No hazard.	AVR1:0
C126	Open	Normal operation.	
	Short	Normal operation.	
C127	Open	Normal operation.	
	Short	Normal operation.	
C129	Open	Normal operation.	
	Short	Normal operation.	
C130	Open	F101 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C132	Open	Normal operation.	
	Short	Normal operation.	
C133	Open	Normal operation.	
	Short	Normal operation.	
C135	Open	Normal operation.	
	Short	R144 opened, No hazard.	AVR1:0
C136	Open	Normal operation.	
	Short	Normal operation.	
C137	Open	Normal operation.	
	Short	Normal operation.	
C138	Open	Normal operation.	
	Short	Normal operation.	
C139	Open	Normal operation.	
	Short	Normal operation.	
C151	Open	R186, R187 opened, No hazard.	AVR1:0
	Short	R186, R187 opened, No hazard.	AVR1:0
C152	Open	R186, R187 opened, No hazard.	AVR1:0
	Short	R186, R187 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

F M E A

Component	Mode	Comment	Output Voltage (V)
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.	
C207	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C208	Open	Normal operation.	
	Short	Normal operation.	
C209	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C210	Open	Normal operation.	
	Short	Normal operation.	
C211	Open	Normal operation.	
	Short	Normal operation.	
C213	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C214	Open	Normal operation.	
	Short	Normal operation.	
C216	Open	Normal operation.	
	Short	Normal operation.	
C219	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C301	Open	Normal operation.	
	Short	Normal operation.	
C306	Open	Normal operation.	
	Short	Normal operation.	
C307	Open	Normal operation.	
	Short	Normal operation.	
C501	Open	Normal operation.	
	Short	Normal operation.	
C502	Open	Normal operation.	
	Short	Normal operation.	
C503	Open	Normal operation.	
	Short	Normal operation.	
C504	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
C601	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
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
C609	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
C610	Open	Normal operation.	
	Short	Normal operation.	
C611	Open	Normal operation.	
	Short	Normal operation.	
C612	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C613	Open	Normal operation.	
	Short	Normal operation.	
C614	Open	Normal operation.	
	Short	Normal operation.	
C651	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
D101	Open	No Hazard.	AVR1:0
	Short	Normal operation.	
D102	Open	Normal operation.	
	Short	Normal operation.	
D103	Open	Normal operation.	
	Short	Normal operation.	
D104	Open	See 35 Page.	
	Short	See 35 Page.	
D105	Open	See 35 Page.	
	Short	See 35 Page.	
D106	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D107	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D111	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
D112	Open	Normal operation.	
	Short	Normal operation.	
D114	Open	Normal operation.	
	Short	Normal operation.	
D151	Open	R186, R187 opened, No hazard.	AVR1:0
	Short	R186, R187 opened, No hazard.	AVR1:0
D152	Open	R186, R187 opened, No hazard.	AVR1:0
	Short	R186, R187 opened, No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
D201	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D202	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D203	Open	Normal operation.	
	Short	Normal operation.	
D204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D206	Open	Normal operation.	
	Short	Normal operation.	
D208	Open	Normal operation.	
	Short	Normal operation.	
D210	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D211	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D212	Open	Normal operation.	
	Short	Normal operation.	
D213	Open	Normal operation.	
	Short	Normal operation.	
D301	Open	Normal operation.	
	Short	Normal operation.	
D303	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)	
D601	Open	Normal operation.		
	Short	Normal operation.		
D602	Open	Normal operation.		
	Short	Normal operation.		
D604	Open	Normal operation.		
	Short	No Hazard.	AVR1:0	
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

F M E A

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

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Component	Mode		Comment	Output Voltage (V)	
IC201	Open	3	No Hazard.	AVR1:0	
		4	Normal operation.		
		5	Normal operation.		
		6	Normal operation.		
		7	Normal operation.		
		8	Normal operation.		
		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.		

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	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.	
		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.	

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Component	Mode		Comment	Output Voltage (V)
IC603	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		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, 6, 7or12, 13, 14	No Hazard.	AVR1:0
		1or2	See 35 Page.	

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Component	Mode		Comment	Output Voltage (V)
L103	Open	8or9	R186, R187 opened, No hazard.	AVR1:0
	Short	5, 6, 7-12, 13, 14	F101 opened, No hazard.	AVR1:0
		1-2	F101 opened, No hazard.	AVR1:0
		8-9	F101 opened, No hazard.	AVR1:0
L104	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L105	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L106	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
L111	Open		Normal operation.	
	Short		Normal operation.	
L112	Open		Normal operation.	
	Short		Normal operation.	
L120	Open		Normal operation.	
	Short		Normal operation.	
L201	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L202	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L204	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L205	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L507	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L530	Open		Normal operation.	
	Short		Normal operation.	
L531	Open		Normal operation.	
	Short		Normal operation.	
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
	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
PC302	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Normal operation.	
R101	Open		Normal operation.	
R102	Open		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R103	Open	Normal operation.	
R104	Open	Normal operation.	
R105	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	Normal operation.	
R111	Open	Normal operation.	
R112	Open	Normal operation.	
R113	Open	Normal operation.	
R114	Open	Normal operation.	
R117	Open	Normal operation.	
R118	Open	Normal operation.	
R121	Open	No Hazard.	AVR1:0
R122	Open	No Hazard.	AVR1:0
R123	Open	No Hazard.	AVR1:0
R124	Open	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.	
R132	Open	Normal operation.	
R133	Open	Normal operation.	
R134	Open	Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
R135	Open	No Hazard.	AVR1:0
R136	Open	No Hazard.	AVR1:0
R137	Open	Normal operation.	
R139	Open	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
R148	Open	Normal operation.	
R149	Open	Normal operation.	
R150	Open	Normal operation.	
R151	Open	R186, R187 opened, No hazard.	AVR1:0
R153	Open	Normal operation.	
R156	Open	Normal operation.	
R157	Open	Normal operation.	
R158	Open	No Hazard.	AVR1:0
R159	Open	No Hazard.	AVR1:0
R165	Open	Normal operation.	
R166	Open	Normal operation.	
R167	Open	Normal operation.	
R168	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R169	Open	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
R173	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	Normal operation.	
R186	Open	Normal operation.	
R187	Open	Normal operation.	
R188	Open	Normal operation.	
R189	Open	Normal operation.	
R190	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
R206	Open	Normal operation.	
R207	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R208	Open	Normal operation.	
R209	Open	Normal operation.	
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	No Hazard.	AVR1:0
R218	Open	No Hazard.	AVR1:0
R219	Open	Normal operation.	
R220	Open	Normal operation.	
R221	Open	No Hazard.	AVR1:0
R222	Open	No Hazard.	AVR1:0
R224	Open	Normal operation.	
R225	Open	No Hazard.	AVR1:0
R226	Open	No Hazard.	AVR1:0
R227	Open	Normal operation.	
R228	Open	Normal operation.	
R229	Open	Normal operation.	
R230	Open	Normal operation.	
R231	Open	Normal operation.	
R232	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R233	Open	Normal operation.	
R301	Open	Normal operation.	
R302	Open	Normal operation.	
R303	Open	Normal operation.	
R308	Open	Normal operation.	
R309	Open	Normal operation.	
R310	Open	Normal operation.	
R311	Open	Normal operation.	
R312	Open	Normal operation.	
R313	Open	Normal operation.	
R314	Open	Normal operation.	
R503	Open	Normal operation.	
R504	Open	Normal operation.	
R505	Open	Normal operation.	
R506	Open	Normal operation.	
R507	Open	Normal operation.	
R510	Open	Normal operation.	
R511	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.
R560	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R561	Open		Normal operation.	
R562	Open		Normal operation.	
R563	Open		Normal operation.	
R564	Open		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	Normal operation.	
R615	Open		No Hazard.	AVR1:0
R616	Open		Output voltage decreased. No hazard.	AVR1:decreased
R617	Open		No Hazard.	AVR1:0
R619	Open		Normal operation.	
R620	Open		Normal operation.	
R622	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R625	Open		No Hazard.	AVR1:0
R626	Open		No Hazard.	AVR1:0
R627	Open		Normal operation.	
R629	Open		No Hazard.	AVR1:0
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		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.	
R656	Open		No Hazard.	AVR1:0
R661	Open	only24	No Hazard.	AVR1:0
R692	Open		Normal operation.	
R694	Open		No Hazard.	AVR1:0
R696	Open		Normal operation.	
SCR151	Open	A	No Hazard.	AVR1:0
		K	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
SCR151	Open	G	No Hazard.	AVR1:0
	Short	A-K	Normal operation.	
		A-G	Normal operation.	
		K-G	No Hazard.	AVR1:0
SS101	Open		See 35 Page.	
	Short		F101 opened, No hazard.	AVR1:0
SS102	Open		See 35 Page.	
	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.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS505	Open	Cathode	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
SS505	Open	Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS506	Open	Cathode	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
T101	Open	1or2	F101 opened, No hazard.	AVR1:0
		3or4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
T102	Open	1or2	No Hazard.	AVR1:0
		3or4	Normal operation.	
	Short	1-2	Normal operation.	
		3-4	Normal operation.	
T201	Open	12or14	No Hazard.	AVR1:0
		8or9	No Hazard.	AVR1:0
		1, 2, 3or4, 5, 6	No Hazard.	AVR1:0
	Short	12or14	No Hazard.	AVR1:0
		8or9	No Hazard.	AVR1:0
		1, 2, 3or4, 5, 6	No Hazard.	AVR1:0
T202	Open	3or4	No Hazard.	AVR1:0
		8or7	No Hazard.	AVR1:0
		9or10	No Hazard.	AVR1:0
	Short	3-4	No Hazard.	AVR1:0
		8-7	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
T202	Short	9-10	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
THSW501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
TR101	Open	D	See 35 Page.	
		S	See 35 Page.	
		G	See 35 Page.	
	Short	D-S	See 35 Page.	
		S-G	See 35 Page.	
		G-D	See 35 Page.	
TR102	Open	D	See 35 Page.	
		S	See 35 Page.	
		G	See 35 Page.	
	Short	D-S	See 35 Page.	
		S-G	See 35 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Short	G-D	See 35 Page.	
TR103	Open	D	See 35 Page.	
		S	See 35 Page.	
		G	See 35 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	
		G-D	See 36 Page.	
TR106	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR107	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.	
TR108	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

F M E A

Component	Mode		Comment	Output Voltage (V)
TR108	Short	B-C	Normal operation.	
TR109	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	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	F101 opened, No hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	F101 opened, No hazard.	AVR1:0
TR122	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	Normal operation.	
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	F101 opened, No hazard.	AVR1:0
TR201	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR201	Short	G-D	See 36 Page.	
TR202	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	
		G-D	See 36 Page.	
TR203	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR204	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 36 Page.	
		S-G	See 36 Page.	
		G-D	See 36 Page.	
TR205	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	See 37 Page.	
		S-G	See 37 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR205	Short	G-D	See 37 Page.	
TR206	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
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	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR212	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR212	Short	B-C	No Hazard.	AVR1:0
TR213	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR214	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR215	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR301	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR301	Short	B-C	Normal operation.	
TR601	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	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.	

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Component	Mode		Comment	Output Voltage (V)
TR606	Short	B-C	No Hazard.	AVR1:0
TR652	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.	
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		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		No Hazard.	AVR1:0
ZD201	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD202	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
ZD202	Short		Normal operation.	
ZD203	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD302	Open		Normal operation.	
	Short		Normal operation.	
ZD521	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD522	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD602	Open		No Hazard.	AVR1:0
	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	lor2	Normal operation.	
SS101	Open		Normal operation.	
SS102	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	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR102	Open	D	F101 opened, No hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR103	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR103	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR201	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR202	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR204	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR205	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR205	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0