

ABNORMAL TEST RESULT

OF MODEL AEA600F

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 : 2/39 ~ 38/39)

(Abnormal Test Result: 39/39 ~ 39/39)

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.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
C102	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
C108	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C110	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C115	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C119	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C120	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C121	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C124	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C125	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C126	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C127	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C130	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C131	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C132	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C133	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C134	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C135	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C136	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C137	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C138	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C143	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
C144	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C202	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C203	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C208	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C209	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C220	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C221	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C222	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C224	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C225	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C226	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C227	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C228	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C229	Open	Output voltage decreased, No hazard	AVR1:decreased
	Short	No hazard.	AVR1:0
C230	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C231	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C232	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C233	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C234	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard	AVR1:decreased
C235	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard	AVR1:decreased
C236	Open	Output voltage decreased, No hazard	AVR1:decreased
	Short	Normal operation.	AVR1:*
C237	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard	AVR1:decreased
C238	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C239	Open	Output voltage decreased, No hazard	AVR1:decreased
	Short	Output voltage decreased, No hazard	AVR1:decreased
C240	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C241	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard	AVR1:decreased
C242	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C243	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard	AVR1:decreased
C244	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C301	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C302	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C304	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C305	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C306	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C307	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C308	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C310	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C311	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C312	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C313	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C314	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C331	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C332	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C333	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C334	Open	Normal operation.	AVR1:*
	Short	R101 opened, No hazard.	AVR1:0
C335	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C336	Open	Normal operation.	AVR1:0
	Short	Normal operation.	AVR1:0
C337	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C338	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C339	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C341	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C342	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C343	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C345	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C346	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C501	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C502	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C521	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C522	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C523	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C524	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C525	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C526	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C527	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C528	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C529	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C530	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C531	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C532	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C533	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C534	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C535	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C536	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C537	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C538	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C539	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C540	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



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Component	Mode	Comment	Output Voltage (V)
C541	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C542	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C543	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C544	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C545	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C546	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C547	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C548	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C549	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C550	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C594	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C595	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C596	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C601	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C602	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard.	AVR1:decreased
C604	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard.	AVR1:decreased
C605	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C607	Open	No hazard.	AVR1:decreased
	Short	No hazard.	AVR1:decreased
C608	Open	No hazard.	AVR1:decreased
	Short	No hazard.	AVR1:decreased
C609	Open	No hazard.	AVR1:decreased
	Short	Output voltage decreased, No hazard.	AVR1:decreased
C611	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C613 ONLY -24	Open	No hazard.	AVR1:decreased
	Short	Output voltage decreased, No hazard.	AVR1:decreased
C631	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C632	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C633	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C638	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C641	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C642	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C651	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C652	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C701	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased, No hazard.	AVR1:decreased
C702	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C703	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C705	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C711	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D101	Open	No hazard.	AVR1:0
	Short	F101, F102 opened, No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D102	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
D130	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D201	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D202	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D220	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D221	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D224	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D301	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D302	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D304	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



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Component	Mode		Comment	Output Voltage (V)
D305	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D306	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D330	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D331	Open		Normal operation.	AVR1:*
	Short		R101 opened, No hazard.	AVR1:0
D602	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D631	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D632	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D633	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC101	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	No hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC101	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		6-7	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
IC201	Open	1	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	Normal operation.	AVR1:*
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		11	No hazard.	AVR1:0
		12	No hazard.	AVR1:0
		14	No hazard.	AVR1:0
		15	No hazard.	AVR1:0
		16	No hazard.	AVR1:0
	Short	3-4	See 39 Page.	
		4-5	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	7-8	No hazard.	AVR1:0
		9-10	No hazard.	AVR1:decreased
		10-11	No hazard.	AVR1:0
		11-12	No hazard.	AVR1:0
		14-15	No hazard.	AVR1:0
		15-16	No hazard.	AVR1:0
IC202	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Output voltage decreased, No hazard	AVR1:decreased
		2-3	Output voltage decreased, No hazard	AVR1:decreased
IC301	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		10	No hazard.	AVR1:0
		11	No hazard.	AVR1:0
		12	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	1-2	No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	No hazard.	AVR1:0
		10-11	Normal operation.	AVR1:*
		11-12	No hazard.	AVR1:0
IC302	Open	1	No hazard.	AVR1:0
		2	R101 opened, No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Output voltage decreased, No hazard	AVR1:decreased
		11	No hazard.	AVR1:0
		12	No hazard.	AVR1:0
		13	Normal operation.	AVR1:*
		14	Normal operation.	AVR1:*
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Open	20	Output voltage decreased, No hazard	AVR1:decreased
		21	Normal operation.	AVR1:*
		22	No hazard.	AVR1:0
		23	Normal operation.	AVR1:*
		24	Normal operation.	AVR1:*
		25	Normal operation.	AVR1:*
		26	No hazard.	AVR1:0
		27	No hazard.	AVR1:0
		28	No hazard.	AVR1:0
		29	Normal operation.	AVR1:*
		30	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		4-5	No hazard.	AVR1:0
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
		8-9	Normal operation.	AVR1:*
		9-10	No hazard.	AVR1:0
		10-11	Output voltage decreased, No hazard	AVR1:decreased
		11-12	No hazard.	AVR1:0
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Short	14-15	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		19-20	Output voltage decreased, No hazard	AVR1:decreased
		20-21	Output voltage decreased, No hazard	AVR1:decreased
		21-22	No hazard.	AVR1:0
		22-23	No hazard.	AVR1:0
		23-24	Normal operation.	AVR1:*
		24-25	Normal operation.	AVR1:*
		25-26	Normal operation.	AVR1:*
		26-27	No hazard.	AVR1:0
		27-28	No hazard.	AVR1:0
		28-29	No hazard.	AVR1:0
		29-30	Normal operation.	AVR1:*
IC303	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC303	Short	2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC501	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC502	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC502	Open	6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC601	Open	3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
	Short	2-3	Output voltage decreased, No hazard.	AVR1:decreased
IC602	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
J301	Open		No hazard.	AVR1:0
IC602	Short	2-3	No hazard.	AVR1:0
L101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L101	Open	4	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	F101, F102 opened, No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L102	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	F101, F102 opened, No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L103	Open		No hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0
L104	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L105	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L501	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
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
PC301	Open	A, K	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
PC301	Open	C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:0
PC302	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PTH330	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
PTH331	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
PTH651	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
R101	Open		Normal operation.	AVR1:*
R103	Open		No hazard.	AVR1:0
R105	Open		Normal operation.	AVR1:*
R106	Open		Normal operation.	AVR1:*
R107	Open		Normal operation.	AVR1:*
R108	Open		Normal operation.	AVR1:*
R109	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R112	Open		Normal operation.	AVR1:*
R113	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R114	Open	Normal operation.	AVR1:*
R115	Open	Normal operation.	AVR1:*
R116	Open	F101, F102 opened, No hazard.	AVR1:0
R117	Open	F101, F102 opened, No hazard.	AVR1:0
R119	Open	No hazard.	AVR1:0
R130	Open	Normal operation.	AVR1:*
R131	Open	Normal operation.	AVR1:*
R132	Open	Normal operation.	AVR1:*
R133	Open	Normal operation.	AVR1:*
R134	Open	No hazard.	AVR1:0
R135	Open	No hazard.	AVR1:0
R136	Open	No hazard.	AVR1:0
R137	Open	No hazard.	AVR1:0
R138	Open	No hazard.	AVR1:0
R139	Open	No hazard.	AVR1:0
R140	Open	No hazard.	AVR1:0
R141	Open	Normal operation.	AVR1:*
R142	Open	Normal operation.	AVR1:*
R143	Open	Normal operation.	AVR1:*
R144	Open	No hazard.	AVR1:0
R145	Open	Normal operation.	AVR1:*
R146	Open	Normal operation.	AVR1:*
R147	Open	Normal operation.	AVR1:*
R149	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R151	Open	F101, F102 opened, No hazard.	AVR1:0
R201	Open	No hazard.	AVR1:0
R202	Open	Normal operation.	AVR1:*
R203	Open	No hazard.	AVR1:0
R204	Open	Normal operation.	AVR1:*
R220	Open	No hazard.	AVR1:0
R221	Open	No hazard.	AVR1:0
R224	Open	Normal operation.	AVR1:*
R225	Open	No hazard.	AVR1:0
R226	Open	Normal operation.	AVR1:*
R227	Open	No hazard.	AVR1:0
R228	Open	Normal operation.	AVR1:*
R229	Open	Normal operation.	AVR1:*
R230	Open	No hazard.	AVR1:0
R231	Open	Normal operation.	AVR1:*
R232	Open	Normal operation.	AVR1:*
R233	Open	No hazard.	AVR1:0
R234	Open	Output voltage decreased, No hazard	AVR1:decreased
R235	Open	Normal operation.	AVR1:*
R236	Open	Normal operation.	AVR1:*
R237	Open	Output voltage decreased, No hazard	AVR1:decreased
R238	Open	Normal operation.	AVR1:*
R239	Open	Normal operation.	AVR1:*
R240	Open	Output voltage decreased, No hazard	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
R241	Open	Normal operation.	AVR1:*
R243	Open	Normal operation.	AVR1:*
R302	Open	No hazard.	AVR1:0
R303	Open	No hazard.	AVR1:0
R304	Open	No hazard.	AVR1:0
R305	Open	No hazard.	AVR1:0
R306	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R308	Open	Normal operation.	AVR1:*
R309	Open	Normal operation.	AVR1:*
R310	Open	No hazard.	AVR1:0
R311	Open	Normal operation.	AVR1:*
R313	Open	No hazard.	AVR1:0
R314	Open	No hazard.	AVR1:0
R315	Open	No hazard.	AVR1:0
R316	Open	Normal operation.	AVR1:*
R318	Open	Normal operation.	AVR1:*
R319	Open	Normal operation.	AVR1:*
R320	Open	No hazard.	AVR1:0
R331	Open	Normal operation.	AVR1:*
R332	Open	Normal operation.	AVR1:*
R333	Open	Normal operation.	AVR1:*
R336	Open	Normal operation.	AVR1:*
R337	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R338	Open	Normal operation.	AVR1:*
R339	Open	Normal operation.	AVR1:*
R341	Open	Normal operation.	AVR1:*
R342	Open	Normal operation.	AVR1:*
R344	Open	Normal operation.	AVR1:*
R345	Open	Normal operation.	AVR1:*
R346	Open	Normal operation.	AVR1:*
R347	Open	No hazard.	AVR1:0
R348	Open	No hazard.	AVR1:0
R349	Open	Normal operation.	AVR1:*
R350	Open	Normal operation.	AVR1:*
R351	Open	No hazard.	AVR1:0
R352	Open	No hazard.	AVR1:0
R353	Open	No hazard.	AVR1:0
R354	Open	No hazard.	AVR1:0
R355	Open	Normal operation.	AVR1:*
R356	Open	No hazard.	AVR1:0
R357	Open	No hazard.	AVR1:0
R358	Open	No hazard.	AVR1:0
R359	Open	No hazard.	AVR1:0
R360	Open	No hazard.	AVR1:0
R361	Open	Normal operation.	AVR1:*
R363	Open	Normal operation.	AVR1:*
R501	Open	No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R502	Open	No hazard.	AVR1:0
R504	Open	No hazard.	AVR1:0
R505	Open	No hazard.	AVR1:0
R507	Open	Normal operation.	AVR1:*
R508	Open	Normal operation.	AVR1:*
R509	Open	No hazard.	AVR1:0
R510	Open	Normal operation.	AVR1:*
R511	Open	No hazard.	AVR1:0
R512	Open	Normal operation.	AVR1:*
R514	Open	No hazard.	AVR1:0
R521	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R523	Open	Normal operation.	AVR1:*
R601	Open	No hazard.	AVR1:0
R602	Open	No hazard.	AVR1:0
R604	Open	No hazard.	AVR1:0
R605	Open	No hazard.	AVR1:0
R606	Open	Output voltage decreased, No hazard	AVR1:decreased
R608	Open	No hazard.	AVR1:0
R609	Open	No hazard.	AVR1:0
R610	Open	No hazard.	AVR1:0
R611	Open	Normal operation.	AVR1:*
R613	Open	No hazard.	AVR1:0
R615	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R618	Open	No hazard.	AVR1:0
R619	Open	No hazard.	AVR1:0
R620	Open	Output voltage decreased, No hazard	AVR1:decreased
R621	Open	Output voltage decreased, No hazard	AVR1:decreased
R622	Open	Output voltage decreased, No hazard	AVR1:decreased
R623	Open	Normal operation.	AVR1:*
R624	Open	No hazard.	AVR1:0
R625	Open	No hazard.	AVR1:0
R632	Open	No hazard.	AVR1:0
R641	Open	Normal operation.	AVR1:*
R642	Open	Normal operation.	AVR1:*
R643	Open	Normal operation.	AVR1:*
R644	Open	Normal operation.	AVR1:*
R645	Open	Normal operation.	AVR1:*
R646	Open	Normal operation.	AVR1:*
R647	Open	Normal operation.	AVR1:*
R648	Open	Normal operation.	AVR1:*
R651	Open	Normal operation.	AVR1:*
R652	Open	Normal operation.	AVR1:*
R653	Open	Normal operation.	AVR1:*
R701	Open	Normal operation.	AVR1:*
R702	Open	Normal operation.	AVR1:*
R704	Open	Normal operation.	AVR1:*
R705	Open	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
R706	Open		Normal operation.	AVR1:*
R707	Open		Normal operation.	AVR1:*
R709	Open		Normal operation.	AVR1:*
SS101	Open		No hazard.	AVR1:0
	Short		F101, F102 opened, No hazard.	AVR1:0
SS220	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
T201	Open	2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	No hazard.	AVR1:0
	Short	5-6	R101 opened, No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	R101 opened, No hazard.	AVR1:0
T301	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
T301	Short	1-2	No hazard.	AVR1:0
		2-3	See 39 Page.	
		3-4	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
TR101	Open	D	F101, F102 opened, No hazard.	AVR1:0
		S	F101, F102 opened, No hazard.	AVR1:0
		G	F101, F102 opened, No hazard.	AVR1:0
	Short	D-S	See 39 Page.	
		S-G	F101, F102 opened, No hazard.	AVR1:0
		G-D	See 39 Page.	
TR102	Open	D	F101, F102 opened, No hazard.	AVR1:0
		S	F101, F102 opened, No hazard.	AVR1:0
		G	F101, F102 opened, No hazard.	AVR1:0
	Short	D-S	See 39 Page.	
		S-G	F101, F102 opened, No hazard.	AVR1:0
		G-D	See 39 Page.	
TR104	Open	C	Normal operation.	AVR1:*
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	F101, F102 opened, No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	F101, F102 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR105	Open	C	F101, F102 opened, No hazard.	AVR1:0
		E	F101, F102 opened, No hazard.	AVR1:0
		B	F101, F102 opened, No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
TR130	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR131	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No hazard.	AVR1:0
TR201	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	See 39 Page.	
		S-G	No hazard.	AVR1:0
		G-D	See 39 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR203	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	See 39 Page.	
		S-G	No hazard.	AVR1:0
		G-D	See 39 Page.	
TR222	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No hazard.	AVR1:0
TR332	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	Normal operation.	AVR1:*
		S-G	No hazard.	AVR1:0
		G-D	Normal operation.	AVR1:*
TR501	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR502	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR504	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR505	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR601	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	R601 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR631	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR641	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
TR642	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
TR651	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR701	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR702	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*
TR703	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
VR601	Open	brush	Output voltage decreased, No hazard	AVR1:decreased
			Output voltage decreased, No hazard	AVR1:decreased
	Short		Output voltage increased, No hazard	AVR1:increased
X101	Open	1	R101 opened, No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
X101	Open	2	R101 opened, No hazard.	AVR1:0
	Short	1-2	R101 opened, No hazard.	AVR1:0
ZD220	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD330	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD601	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
ZD631	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD641	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD642	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD651	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD652	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD702	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
IC201	Short	3-4	Normal operation.	AVR1:*
T301	Short	2-3	No hazard.	AVR1:0
TR101	Short	D-S	F101, F102 opened, No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0
TR102	Short	D-S	F101, F102 opened, No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0
TR201	Short	D-S	No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0
TR203	Short	D-S	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0