



ABNORMAL TEST RESULT

OF MODEL AEA1000F

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 : 2/49 ~ 48/49)

(Abnormal Test Result: 49/49 ~ 49/49)

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
C111	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
C117	Open	Normal operation.	AVR1:*
	Short	R101 opened,No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C118	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:**
C121	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C122	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C123	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:**
C128	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C129	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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
C137	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C138	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C140	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened,No hazard.	AVR1:0
C141	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened,No hazard.	AVR1:0
C142	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened,No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C144	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C151	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C152	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C153	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C154	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C160	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C161	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, R102 opened, No hazard.	AVR1:0
C204	Open	Normal operation.	AVR1:**
	Short	R101, R102 opened, No hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:**
	Short	R101, R102 opened, No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C206	Open	Normal operation.	AVR1:**
	Short	R101, R102 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:**
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



F M E A

Component	Mode	Comment	Output Voltage (V)
C228	Open	No hazard.	AVR1:0
	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:*
C233	Open	Output voltage decreased, No hazard.	AVR1:decreased
	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:*



F M E A

Component	Mode	Comment	Output Voltage (V)
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:**
C245	Open	Output voltage decreased, No hazard	AVR1:decreased
	Short	No hazard.	AVR1:0
C246	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C247	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C248	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C301	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C302	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C303	Open	F101, F102 opened, No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C304	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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
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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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:**
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



F M E A

Component	Mode	Comment	Output Voltage (V)
C502	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
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:**
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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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:**
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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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:**
C551	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C552	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C553	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C554	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C555	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C556	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C557	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C558	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C559	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C560	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C561	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C562	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C563	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C564	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C565	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C566	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C567	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C568	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C569	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C570	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C571	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C572	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C573	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C574	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C575	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C576	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C577	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C578	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C579	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C580	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C581	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C591	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C592	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C593	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C594	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C595	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C596	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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
C631	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C632	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
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:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C661	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
C662	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:decreased
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:*
D101	Open	No hazard.	AVR1:0
	Short	F101, F102 opened, No hazard.	AVR1:0
D102	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
D103	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
D104	Open	Normal operation.	AVR1:*
	Short	F101, F102 opened, No hazard.	AVR1:0
D201	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D202	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
D203	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D204	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
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:**
D225	Open	Output voltage decreased, No hazard.	AVR1:decreased
	Short	No hazard.	AVR1:0
D226	Open	IC201 opened, No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D301	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D302	Open	No hazard.	AVR1:0
	Short	F101, F102 opened, No hazard.	AVR1:0
D304	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
D305	Open		Normal operation.	AVR1:**
	Short		R301 opened, 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:**
D661	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:decreased
D662	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:decreased
IC101	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:**
		3	Normal operation.	AVR1:**
		4	F101, F102 opened, No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	5	Normal operation.	AVR1:*
		6	No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	No hazard.	AVR1:0
	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	F101, F102 opened, No hazard.	AVR1:0
IC130	Open	1	F101, F102 opened, No hazard.	AVR1:0
		2	F101, F102 opened, No hazard.	AVR1:0
		3	F101, F102 opened, No hazard.	AVR1:0
		4	F101, F102 opened, No hazard.	AVR1:0
		5	F101, F102 opened, No hazard.	AVR1:0
	Short	1-2	F101, F102 opened, No hazard.	AVR1:0
		2-3	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:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	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 page 49.	
		4-5	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	No hazard.	AVR1:0
		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 decresed, No hazard	AVR1:decreased
		2-3	Output voltage decresed, No hazard	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	R301 opened, 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	R301 opened, No hazard.	AVR1:0
	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:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Open	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:*
		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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Short	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 decresed, No hazard	AVR1:decreased
		11-12	No hazard.	AVR1:0
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*
		14-15	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		19-20	Output voltage decresed, No hazard	AVR1:decreased
		20-21	Output voltage decresed, 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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Short	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:*
		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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	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
		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



F M E A

Component	Mode		Comment	Output Voltage (V)
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
		2-3	No hazard.	AVR1:0
L101	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:*
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



F M E A

Component	Mode		Comment	Output Voltage (V)
L104	Short		Normal operation.	AVR1:*
L105	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L106	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L205	Open		No hazard.	AVR1:0
	Short		Output voltage decreased, No hazard.	AVR1:decreased
L301	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:*
		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



F M E A

Component	Mode	Comment	Output Voltage (V)
PTH331	Short	Normal operation.	AVR1:*
PTH651	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
PTH652	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
R101	Open	Normal operation.	AVR1:*
R102	Open	Normal operation.	AVR1:*
R103	Open	Normal operation.	AVR1:*
R104	Open	Normal operation.	AVR1:*
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:*
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
R118	Open	F101,F102 opened,No hazard.	AVR1:0
R119	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R120	Open	Normal operation.	AVR1:**
R121	Open	Normal operation.	AVR1:**
R122	Open	Normal operation.	AVR1:**
R123	Open	Normal operation.	AVR1:**
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:**
R152	Open	F101, F102 opened, No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R153	Open	F101,F102 opened,No hazard.	AVR1:0
R154	Open	Normal operation.	AVR1:*
R155	Open	F101,F102 opened,No hazard.	AVR1:0
R156	Open	F101,F102 opened,No hazard.	AVR1:0
R157	Open	F101,F102 opened,No hazard.	AVR1:0
R161	Open	Normal operation.	AVR1:*
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*
R164	Open	Normal operation.	AVR1:*
R165	Open	Normal operation.	AVR1:*
R166	Open	Normal operation.	AVR1:*
R167	Open	Normal operation.	AVR1:*
R168	Open	Normal operation.	AVR1:*
R169	Open	Normal operation.	AVR1:*
R170	Open	Normal operation.	AVR1:*
R171	Open	Normal operation.	AVR1:*
R172	Open	Normal operation.	AVR1:*
R173	Open	Normal operation.	AVR1:*
R174	Open	Normal operation.	AVR1:*
R175	Open	Normal operation.	AVR1:*
R176	Open	Normal operation.	AVR1:*
R201	Open	No hazard.	AVR1:0
R202	Open	Normal operation.	AVR1:*
R203	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R204	Open	No hazard.	AVR1:0
R205	Open	Normal operation.	AVR1:**
R206	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
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
R241	Open	Normal operation.	AVR1:**
R242	Open	Normal operation.	AVR1:**
R243	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R248	Open	Output voltage decreased, No hazard	AVR1:decreased
R249	Open	Output voltage decreased, No hazard	AVR1:decreased
R301	Open	No hazard.	AVR1:0
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	R301 opened, No hazard.	AVR1:0
R311	Open	Normal operation.	AVR1:*
R313	Open	R301 opened, No hazard.	AVR1:0
R314	Open	R301 opened, No hazard.	AVR1:0
R315	Open	R301 opened, No hazard.	AVR1:0
R316	Open	Normal operation.	AVR1:*
R318	Open	Normal operation.	AVR1:*
R319	Open	Normal operation.	AVR1:*
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:**
R364	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R501	Open	No hazard.	AVR1:0
R502	Open	No hazard.	AVR1:0
R503 (Except:-48)	Open	No hazard.	AVR1:0
R504 (Except:-48)	Open	No hazard.	AVR1:0
R505	Open	No hazard.	AVR1:0
R506	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	R601 opened, No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R611	Open	Normal operation.	AVR1:*
R613	Open	No hazard.	AVR1:0
R615	Open	Normal operation.	AVR1:*
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
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:*
R661	Open	Normal operation.	AVR1:*
R662	Open	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
R701	Open		Normal operation.	AVR1:**
R702	Open		Normal operation.	AVR1:**
R704	Open		Normal operation.	AVR1:**
R705	Open		Normal operation.	AVR1:**
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
SS102	Open		No hazard.	AVR1:0
	Short		F101,F102 opened,No hazard.	AVR1:0
SS220	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
T201	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**
		3	Normal operation.	AVR1:**
		4	Normal operation.	AVR1:**
		5	Normal operation.	AVR1:**
		5	No hazard.	AVR1:0
		a	Normal operation.	AVR1:**
		a	No hazard.	AVR1:0
		6	Normal operation.	AVR1:**
		6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:**



F M E A

Component		Mode		Comment	Output Voltage (V)
T201	Only-48	Open	7	No hazard.	AVR1:0
			b	Normal operation.	AVR1:*
			b	No hazard.	AVR1:0
			8	Normal operation.	AVR1:*
			8	No hazard.	AVR1:0
			9	Normal operation.	AVR1:*
			9	No hazard.	AVR1:0
			c	Normal operation.	AVR1:*
			c	No hazard.	AVR1:0
			10	Normal operation.	AVR1:*
			10	No hazard.	AVR1:0
			11	Normal operation.	AVR1:*
			11	No hazard.	AVR1:0
			d	Normal operation.	AVR1:*
			d	No hazard.	AVR1:0
			12	Normal operation.	AVR1:*
			12	No hazard.	AVR1:0
		Short	2-3	No hazard.	AVR1:decreased
			5-a	No hazard.	AVR1:0
			a-6	No hazard.	AVR1:0
			6-7	Normal operation.	AVR1:*
			6-7	No hazard.	AVR1:0
			7-b	No hazard.	AVR1:0
			b-8	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Short	9-c	No hazard.	AVR1:0
		c-10	No hazard.	AVR1:0
		10-11	Normal operation.	AVR1:*
		10-11	No hazard.	AVR1:0
		11-d	No hazard.	AVR1:0
		d-12	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:*
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	R301 opened, No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
TR101	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	F101, F102 opened, No hazard.	AVR1:0
	Short	D-S	See page 49.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Short	S-G	Normal operation.	AVR1:**
		G-D	See page 49.	
TR102	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	F101,F102 opened, No hazard.	AVR1:0
	Short	D-S	See page 49.	
		S-G	Normal operation.	AVR1:**
		G-D	See page 49.	
TR103	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	F101,F102 opened, No hazard.	AVR1:0
	Short	D-S	See page 49.	
		S-G	Normal operation.	AVR1:**
		G-D	See page 49.	
TR104	Open	C	Normal operation.	AVR1:**
		E		
		B	Normal operation.	AVR1:**
	Short	C-E	Normal operation.	AVR1:**
		E-B	No hazard.	AVR1:0
		B-C	F101,F102 opened, No hazard.	AVR1:0
TR105	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR105	Short	E-B	Normal operation.	AVR1:**
		B-C	No hazard.	AVR1:0
TR106	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
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 page 49.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR201	Short	S-G	No hazard.	AVR1:0
		G-D	See page 49.	
TR203	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	See page 49.	
		S-G	No hazard.	AVR1:0
		G-D	See page 49.	
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	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR501	Short	S-G	Normal operation.	AVR1:**
		G-D	No hazard.	AVR1:0
TR502	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
TR503 (Except:-48)	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
TR504 (Except:-48)	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
TR505	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR505	Short	S-G	Normal operation.	AVR1:**
		G-D	No hazard.	AVR1:0
TR506	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
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
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



F M E A

Component	Mode		Comment	Output Voltage (V)
TR641	Short	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
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:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR702	Open	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
		2	R101 opened, No hazard.	AVR1:0
	Short	1-2	R101 opened, No hazard.	AVR1:0
ZD130	Open		F101, F102 opened, No hazard.	AVR1:0
	Short		F101, F102 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



F M E A

Component	Mode	Comment	Output Voltage (V)
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:*
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
TR103	Short	D-S	F101, F102 opened, No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0
TR201	Short	D-S	F101, F102 opened, No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0
TR203	Short	D-S	F101, F102 opened, No hazard.	AVR1:0
		G-D	F101, F102 opened, No hazard.	AVR1:0