



ABNORMAL TEST RESULT

OF MODEL FETA3000BC-250

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 : 2/02 ~ 98/02)

(Abnormal Test Result: 99/02 ~ 02/02)

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
C104	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C105	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C106	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C107	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	Normal operation.	AVR1:**
C111	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C112	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C113	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C114	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C115	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C116	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C117	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C118	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C119	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C120	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C121	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C122	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C123	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C124	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C125	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C126	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C127	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C128	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C129	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C130	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C131	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C132	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
C134	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
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	No hazard.	AVR1:0
C138	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C139	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C140	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C141	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C143	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C144	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C145	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C146	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C147	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C148	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C149	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	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C154	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C155	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C156	Open	Normal operation.	AVR1:**
	Short	F101, F102 opened. No hazard.	AVR1:0
C161	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C162	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C165	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C166	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C171	Open	Normal operation.	AVR1:**
	Short	F101, F102 opened. No hazard.	AVR1:0
C176	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C202	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C203	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C204	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C205	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C206	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C207	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C208	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C211	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C212	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C213	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C215	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C216	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C218	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C219	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C301	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C302	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C303	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C304	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C305	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C306	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C307	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C308	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C309	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C310	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C311	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C312	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C313	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C314	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C315	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C316	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C317	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C318	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C319	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C321	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C322	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C323	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C324	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C325	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C326	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C327	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C329	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C330	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C331	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C332	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C333	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C334	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C335	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C336	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C337	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C338	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C339	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
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:**
C344	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C345	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C346	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C347	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C350	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C351	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C352	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C353	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C354	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C355	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C356	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C357	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C358	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C382	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C383	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C384	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C385	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C390	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C391	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C392	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C393	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C394	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C395	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C396	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C397	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C398	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C399	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C505	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C506	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C507	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C508	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C514	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C517	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C521	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C522	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C525	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C526	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C529	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C530	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C531	Open	Normal operation.	AVR1:**
	Short	Output voltage increased. No hazard.	AVR1:300
C532	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:227
C533	Open	Normal operation.	AVR1:**
	Short	Output voltage increased. No hazard.	AVR1:300
C534	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C535	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C536	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C537	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C539	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:227
C541	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C542	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C543	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C544	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C545	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C551	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C554	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C555	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C557	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C558	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C559	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C565	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C566	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C570	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C571	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C575	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C576	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C577	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C578	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C587	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C588	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C591	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C592	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C601	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C602	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C603	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C604	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C606	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C607	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C608	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C609	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C610	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C611	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C612	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C613	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C614	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C615	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C616	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C617	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C625	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C701	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C702	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C703	Open	Normal operation.	AVR1:**
	Short	See page 99.	
C704	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C705	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C706	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C707	Open	No hazard.	AVR1:0
	Short	See page 99.	
C711	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C712	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C713	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C714	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C715	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C716	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C717	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C720	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C721	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C722	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C723	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C724	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C725	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C726	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C727	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C728	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C729	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C731	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C733	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C734	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C736	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C737	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C738	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C739	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C740	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C741	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C744	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C745	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C746	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C747	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C748	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C749	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C750	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C751	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C752	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
C753	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C755	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C756	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C791	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C803	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C804	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C807	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C808	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C810	Open		Normal operation.	AVR1:**
	Short		See page 99.	
C816	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C819	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
CN1	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
CN1	Open	3	Normal operation.	AVR1:**
		4	Normal operation.	AVR1:**
		5	Normal operation.	AVR1:**
		6	Normal operation.	AVR1:**
		7	Normal operation.	AVR1:**
		8	Normal operation.	AVR1:**
	Short	1-2	Normal operation.	AVR1:**
		1-3	Normal operation.	AVR1:**
		2-4	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		3-5	Normal operation.	AVR1:**
		4-6	Normal operation.	AVR1:**
		5-6	No hazard.	AVR1:0
		5-7	No hazard.	AVR1:0
		6-8	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
CN2	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	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
CN2	Short	1-2	Normal operation.	AVR1:**
		1-3	Normal operation.	AVR1:**
		2-4	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		3-5	Normal operation.	AVR1:**
		4-6	Normal operation.	AVR1:**
		5-6	No hazard.	AVR1:0
		5-7	No hazard.	AVR1:0
		6-8	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
CN3	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:**
	Short	1-2	Normal operation.	AVR1:**
		1-3	Normal operation.	AVR1:**
		2-4	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		3-5	Normal operation.	AVR1:**
		4-6	Normal operation.	AVR1:**
		5-6	Normal operation.	AVR1:**
CN501	Open	1	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
CN501	Open	2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	No hazard.	AVR1:0
		8	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		1-3	Normal operation.	AVR1:*
		2-4	Normal operation.	AVR1:*
		3-4	No hazard.	AVR1:0
		3-5	No hazard.	AVR1:0
		4-6	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		5-7	No hazard.	AVR1:0
		6-8	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
CN502	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
CN502	Open	8	Normal operation.	AVR1:*
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		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:*
	Short	2-3	Normal operation.	AVR1:*
		2-4	Normal operation.	AVR1:*
		3-5	See page 99.	
		4-5	See page 99.	
		4-6	Normal operation.	AVR1:*
		5-7	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		6-8	Normal operation.	AVR1:*
		7-9	Normal operation.	AVR1:*
		8-9	No hazard.	AVR1:0
		8-10	Normal operation.	AVR1:*
		9-11	See page 99.	
		10-11	Normal operation.	AVR1:*
		10-12	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
CN502	Short	11-13	Normal operation.	AVR1:**
		12-13	Normal operation.	AVR1:**
		12-14	Normal operation.	AVR1:**
		13-15	Normal operation.	AVR1:**
		14-15	Normal operation.	AVR1:**
		14-16	Normal operation.	AVR1:**
		15-17	Normal operation.	AVR1:**
		16-17	Normal operation.	AVR1:**
CN701	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
		1-3	No hazard.	AVR1:0
		2-4	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
		3-5	No hazard.	AVR1:0
		4-6	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		5-7	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
CN701	Short	6-8	No hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
CN791	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
D101	Open		No hazard.	AVR1:0
	Short		F101, F102 opened. No hazard.	AVR1:0
D102	Open		No hazard.	AVR1:0
	Short		F101, F102 opened. No hazard.	AVR1:0
D103	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D104	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D105	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D106	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D107	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D108	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
D108	Short	No hazard.	AVR1:0
D109	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D110	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D111	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D114	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D115	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D116	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D117	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D118	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D119	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D120	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D121	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D122	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
D122	Short	Normal operation.	AVR1:**
D123	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D124	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D125	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D181	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D201	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D203	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D204	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D205	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D206	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D302	Open	No hazard.	AVR1:0
	Short	See page 99.	
D303	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D304	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
D304	Short	Normal operation.	AVR1:*
D306	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D307	Open	No hazard.	AVR1:0
	Short	See page 99.	
D308	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D310	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D312	Open	Normal operation.	AVR1:*
	Short	See page 99.	
D313	Open	Normal operation.	AVR1:*
	Short	See page 99.	
D321	Open	Normal operation.	AVR1:*
	Short	F101,F102 opened.No hazard.	AVR1:0
D322	Open	Normal operation.	AVR1:*
	Short	F101,F102 opened.No hazard.	AVR1:0
D323	Open	Normal operation.	AVR1:*
	Short	F101,F102 opened.No hazard.	AVR1:0
D324	Open	Normal operation.	AVR1:*
	Short	F101,F102 opened.No hazard.	AVR1:0
D331	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D332	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
D332	Short	Normal operation.	AVR1:**
D333	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D501	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D504	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D505	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D541	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D542	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D543	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D591	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D601	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D602	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D604	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D605	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
D605	Short	Output voltage increased. No hazard.	AVR1:380
D606	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D607	Open	Normal operation.	AVR1:**
	Short	See page 99.	
D609	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D611	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D612	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D702	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D703	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D704	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D705	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D707	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D708	Open	Normal operation.	AVR1:**
	Short	See page 99.	
D711	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
D711	Short	Normal operation.	AVR1:**
D712	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D713	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D714	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D721	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D722	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D723	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D724	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D725	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D726	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D727	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
D728	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D729	Open	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
D729	Short		No hazard.	AVR1:0
D791	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D803	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D807	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D808	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
F701	Open		No hazard.	AVR1:0
F791	Open		No hazard.	AVR1:0
FAN701	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
IC101	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	7	F101, F102 opened. No hazard.	AVR1:0
		8	F101, F102 opened. No hazard.	AVR1:0
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		11	Normal operation.	AVR1:*
		12	No hazard.	AVR1:0
		13	No hazard.	AVR1:0
		14	Normal operation.	AVR1:*
		15	No hazard.	AVR1:0
		16	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		6-7	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	Normal operation.	AVR1:*
		12-13	Normal operation.	AVR1:*
		13-14	No hazard.	AVR1:0
		14-15	No hazard.	AVR1:0
		15-16	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	K	No hazard.	AVR1:0
		A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	No hazard.	AVR1:0
		K-R	Normal operation.	AVR1:*
		R-A	No hazard.	AVR1:0
IC202	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	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		13	No hazard.	AVR1:0
		14	No hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	No hazard.	AVR1:0
		18	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC202	Open	19	Normal operation.	AVR1:*
		20	Normal operation.	AVR1:*
		21	No hazard.	AVR1:0
		22	No hazard.	AVR1:0
		23	Normal operation.	AVR1:*
		24	No hazard.	AVR1:0
		25	Normal operation.	AVR1:*
		26	No hazard.	AVR1:0
		27	No hazard.	AVR1:0
		28	Normal operation.	AVR1:*
		29	Normal operation.	AVR1:*
		30	Normal operation.	AVR1:*
		31	Normal operation.	AVR1:*
		32	Normal operation.	AVR1:*
		33	No hazard.	AVR1:0
		34	Normal operation.	AVR1:*
		35	No hazard.	AVR1:0
		36	Normal operation.	AVR1:*
		37	Normal operation.	AVR1:*
		38	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC202	Short	5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
		8-9	Normal operation.	AVR1:*
		9-10	No hazard.	AVR1:0
		10-11	Normal operation.	AVR1:*
		11-12	No hazard.	AVR1:0
		12-13	No hazard.	AVR1:0
		13-14	No hazard.	AVR1:0
		14-15	No hazard.	AVR1:0
		15-16	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	No hazard.	AVR1:0
		20-21	No hazard.	AVR1:0
		21-22	Normal operation.	AVR1:*
		22-23	No hazard.	AVR1:0
		23-24	Normal operation.	AVR1:*
		24-25	Normal operation.	AVR1:*
		25-26	No hazard.	AVR1:0
		26-27	No hazard.	AVR1:0
		27-28	No hazard.	AVR1:0
		28-29	No hazard.	AVR1:0
		29-30	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC202	Short	30-31	Normal operation.	AVR1:*
		31-32	Normal operation.	AVR1:*
		32-33	Normal operation.	AVR1:*
		33-34	No hazard.	AVR1:0
		34-35	Normal operation.	AVR1:*
		35-36	Normal operation.	AVR1:*
		36-37	Normal operation.	AVR1:*
		37-38	Normal operation.	AVR1:*
IC301	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	No hazard.	AVR1:0
		6	F101,F102 opened.No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	F101,F102 opened.No hazard.	AVR1:0
		12	F101,F102 opened.No hazard.	AVR1:0
		13	No hazard.	AVR1:0
		14	Normal operation.	AVR1:*
	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	F101,F102 opened.No hazard.	AVR1:0
		8-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	No hazard.	AVR1:0
		12-13	F101,F102 opened.No hazard.	AVR1:0
		13-14	Normal operation.	AVR1:*
IC302	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	No hazard.	AVR1:0
		6	F101,F102 opened.No hazard.	AVR1:0
		7	No hazard.	AVR1:0
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	F101,F102 opened.No hazard.	AVR1:0
		12	F101,F102 opened.No hazard.	AVR1:0
		13	No hazard.	AVR1:0
		14	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	F101,F102 opened.No hazard.	AVR1:0
		8-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	No hazard.	AVR1:0
		12-13	F101,F102 opened.No hazard.	AVR1:0
		13-14	Normal operation.	AVR1:*
IC331	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		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	No hazard.	AVR1:0
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC331	Open	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	No hazard.	AVR1:0
		20	No hazard.	AVR1:0
		21	No hazard.	AVR1:0
		22	No hazard.	AVR1:0
		23	No hazard.	AVR1:0
		24	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		4-5	Normal operation.	AVR1:**
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:**
		7-8	Normal operation.	AVR1:**
		8-9	Normal operation.	AVR1:**
		9-10	See page 99.	
		10-11	See page 100.	
		11-12	No hazard.	AVR1:0
		13-14	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
IC331	Short	14-15	Normal operation.	AVR1:*
		15-16	No hazard.	AVR1:0
		16-17	No hazard.	AVR1:0
		17-18	Normal operation.	AVR1:*
		18-19	No hazard.	AVR1:0
		19-20	F101, F102 opened. No hazard.	AVR1:0
		20-21	F101, F102 opened. No hazard.	AVR1:0
		21-22	F101, F102 opened. No hazard.	AVR1:0
		22-23	F101, F102 opened. No hazard.	AVR1:0
		23-24	No hazard.	AVR1:0
IC502	Open	K	Normal operation.	AVR1:*
		A	Normal operation.	AVR1:*
		R	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		K-R	Normal operation.	AVR1:*
		R-A	Normal operation.	AVR1:*
IC521	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	No hazard.	AVR1:0
		8	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC521	Short	1-2	Output voltage increased. No hazard.	AVR1:262
		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
IC522	Open	K	Normal operation.	AVR1:*
		A	Normal operation.	AVR1:*
		R	Normal operation.	AVR1:*
	Short	A-K	No hazard.	AVR1:0
		K-R	No hazard.	AVR1:0
		R-A	Normal operation.	AVR1:*
IC531	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	Output voltage increased. No hazard.	AVR1:300
		5	Output voltage increased. No hazard.	AVR1:300
		6	Output voltage decreased. No hazard.	AVR1:227
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Output voltage decreased or increased. No hazard.	AVR1:227~300



F M E A

Component	Mode		Comment	Output Voltage (V)
IC531	Short	6-7	Output voltage decreased or increased. No hazard.	AVR1:227~300
		7-8	Output voltage decreased or increased. No hazard.	AVR1:227~300
IC541	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	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	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC551	Open	K	No hazard.	AVR1:0
		A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	No hazard.	AVR1:0
		K-R	No hazard.	AVR1:0
		R-A	Output voltage increased. No hazard.	AVR1:380
IC601	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Open	3	Normal operation.	AVR1:*
		4	No hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		13	No hazard.	AVR1:0
		14	No hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	Normal operation.	AVR1:*
		20	Normal operation.	AVR1:*
		21	Normal operation.	AVR1:*
		22	Normal operation.	AVR1:*
		23	Normal operation.	AVR1:*
		24	Normal operation.	AVR1:*
		25	Normal operation.	AVR1:*
		26	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Open	27	Normal operation.	AVR1:*
		28	No hazard.	AVR1:0
		29	No hazard.	AVR1:0
		30	Normal operation.	AVR1:*
		31	Normal operation.	AVR1:*
		32	Normal operation.	AVR1:*
		33	Normal operation.	AVR1:*
		34	Normal operation.	AVR1:*
		35	No hazard.	AVR1:0
		36	Normal operation.	AVR1:*
		37	No hazard.	AVR1:0
		38	Normal operation.	AVR1:*
	Short	1-2	No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	No hazard.	AVR1:0
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
		8-9	No hazard.	AVR1:0
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	No hazard.	AVR1:0
		12-13	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	13-14	No hazard.	AVR1:0
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	No hazard.	AVR1:0
		20-21	Normal operation.	AVR1:*
		21-22	Normal operation.	AVR1:*
		22-23	Normal operation.	AVR1:*
		23-24	Normal operation.	AVR1:*
		24-25	Normal operation.	AVR1:*
		25-26	Normal operation.	AVR1:*
		26-27	Normal operation.	AVR1:*
		27-28	No hazard.	AVR1:0
		28-29	No hazard.	AVR1:0
		29-30	No hazard.	AVR1:0
		30-31	Normal operation.	AVR1:*
		31-32	Normal operation.	AVR1:*
		32-33	Normal operation.	AVR1:*
		33-34	No hazard.	AVR1:0
		34-35	Normal operation.	AVR1:*
		35-36	Normal operation.	AVR1:*
		36-37	No hazard.	AVR1:0
		37-38	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC711	Open	1	See page 100.	
		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	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	No hazard.	AVR1:0
IC712	Open	K	No hazard.	AVR1:0
		A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	No hazard.	AVR1:0
		K-R	No hazard.	AVR1:0
		R-A	No hazard.	AVR1:0
IC721	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC721	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC722	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	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	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC801	Open	K	No hazard.	AVR1:0
		A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	See page 100.	
		K-R	See page 100.	
		R-A	See page 100.	
J201	Open		Normal operation.	AVR1:*
J202	Open		Normal operation.	AVR1:*
J203	Open		Normal operation.	AVR1:*
J301	Open		No hazard.	AVR1:0
J304	Open		No hazard.	AVR1:0
J305	Open		No hazard.	AVR1:0
J306	Open		No hazard.	AVR1:0
J308	Open		No hazard.	AVR1:0
J310	Open		No hazard.	AVR1:0
J701	Open		Normal operation.	AVR1:*
J702	Open		Normal operation.	AVR1:*
J703	Open		Normal operation.	AVR1:*
J704	Open		Normal operation.	AVR1:*
J705	Open		Normal operation.	AVR1:*
J706	Open		Normal operation.	AVR1:*
J707	Open		Normal operation.	AVR1:*
L101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L101	Open	3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		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:*
		3-4	Normal operation.	AVR1:*
L103	Open		No hazard.	AVR1:0
	Short		F101, F102 opened. No hazard.	AVR1:0
L104	Open		No hazard.	AVR1:0
	Short		F101, F102 opened. No hazard.	AVR1:0
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:*
L150	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L301	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
L311	Open		F101, F102 opened. No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
L312	Open		F101,F102 opened.No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L313	Open		F101,F102 opened.No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L314	Open		F101,F102 opened.No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L501	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
	Short	1-2	No hazard.	AVR1:0
		1-3	No hazard.	AVR1:0
		2-4	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
L601	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED601	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
LED602	Open		Normal operation.	AVR1:*
	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	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
PC202	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	No hazard.	AVR1:0
PC203	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC204	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC205	Open	A, K	Normal operation.	AVR1:**
		VCC, OUT, GND	Normal operation.	AVR1:**
	Short	VCC-OUT	No hazard.	AVR1:0
		OUT-GND	No hazard.	AVR1:0
PC331	Open	A, K	No hazard.	AVR1:0
		VCC, OUT, GND	No hazard.	AVR1:0
	Short	VCC-OUT	No hazard.	AVR1:0
		OUT-GND	No hazard.	AVR1:0
PC332	Open	A, K	No hazard.	AVR1:0
		C, E	No hazard.	AVR1:0
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
PC601	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	No hazard.	AVR1:0
		C-E	Normal operation.	AVR1:**
PC602	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC603	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC604	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC605	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PTH201	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:**
PTH202	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
PTH601	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:**
R118	Open	Normal operation.	AVR1:**
R119	Open	Normal operation.	AVR1:**
R120	Open	Normal operation.	AVR1:**
R121	Open	Normal operation.	AVR1:**
R122	Open	Normal operation.	AVR1:**
R123	Open	No hazard.	AVR1:0
R124	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R125	Open	Normal operation.	AVR1:*
R126	Open	Normal operation.	AVR1:*
R127	Open	Normal operation.	AVR1:*
R128	Open	Normal operation.	AVR1:*
R129	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
R136	Open	No hazard.	AVR1:0
R138	Open	F101,F102 opened.No hazard.	AVR1:0
R139	Open	F101,F102 opened.No hazard.	AVR1:0
R140	Open	No hazard.	AVR1:0
R141	Open	No hazard.	AVR1:0
R142	Open	No hazard.	AVR1:0
R143	Open	No hazard.	AVR1:0
R144	Open	Normal operation.	AVR1:*
R145	Open	Normal operation.	AVR1:*
R146	Open	No hazard.	AVR1:0
R147	Open	No hazard.	AVR1:0
R148	Open	No hazard.	AVR1:0
R149	Open	No hazard.	AVR1:0
R150	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R151	Open	No hazard.	AVR1:0
R152	Open	No hazard.	AVR1:0
R153	Open	Normal operation.	AVR1:*
R155	Open	No hazard.	AVR1:0
R156	Open	Normal operation.	AVR1:*
R157	Open	No hazard.	AVR1:0
R158	Open	Normal operation.	AVR1:*
R159	Open	No hazard.	AVR1:0
R160	Open	Normal operation.	AVR1:*
R161	Open	Normal operation.	AVR1:*
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*
R166	Open	No hazard.	AVR1:0
R167	Open	Normal operation.	AVR1:*
R169	Open	F101,F102 opened.No hazard.	AVR1:0
R170	Open	No hazard.	AVR1:0
R171	Open	No hazard.	AVR1:0
R172	Open	No hazard.	AVR1:0
R173	Open	No hazard.	AVR1:0
R174	Open	No hazard.	AVR1:0
R175	Open	No hazard.	AVR1:0
R176	Open	No hazard.	AVR1:0
R177	Open	No hazard.	AVR1:0
R178	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R179	Open	No hazard.	AVR1:0
R181	Open	Normal operation.	AVR1:**
R182	Open	Normal operation.	AVR1:**
R183	Open	Normal operation.	AVR1:**
R184	Open	Normal operation.	AVR1:**
R185	Open	Normal operation.	AVR1:**
R186	Open	Normal operation.	AVR1:**
R190	Open	Normal operation.	AVR1:**
R191	Open	Normal operation.	AVR1:**
R192	Open	Normal operation.	AVR1:**
R193	Open	Normal operation.	AVR1:**
R194	Open	Normal operation.	AVR1:**
R195	Open	Normal operation.	AVR1:**
R196	Open	Normal operation.	AVR1:**
R197	Open	Normal operation.	AVR1:**
R198	Open	Normal operation.	AVR1:**
R199	Open	Normal operation.	AVR1:**
R201	Open	No hazard.	AVR1:0
R203	Open	Normal operation.	AVR1:**
R205	Open	Normal operation.	AVR1:**
R206	Open	Normal operation.	AVR1:**
R207	Open	Normal operation.	AVR1:**
R208	Open	No hazard.	AVR1:0
R209	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R210	Open	Normal operation.	AVR1:**
R211	Open	No hazard.	AVR1:0
R212	Open	No hazard.	AVR1:0
R213	Open	Normal operation.	AVR1:**
R214	Open	Normal operation.	AVR1:**
R215	Open	Normal operation.	AVR1:**
R217	Open	Normal operation.	AVR1:**
R218	Open	Normal operation.	AVR1:**
R220	Open	Normal operation.	AVR1:**
R221	Open	Normal operation.	AVR1:**
R222	Open	Normal operation.	AVR1:**
R223	Open	Normal operation.	AVR1:**
R226	Open	Normal operation.	AVR1:**
R227	Open	Normal operation.	AVR1:**
R228	Open	Normal operation.	AVR1:**
R229	Open	Normal operation.	AVR1:**
R230	Open	Normal operation.	AVR1:**
R231	Open	Normal operation.	AVR1:**
R232	Open	Normal operation.	AVR1:**
R233	Open	Normal operation.	AVR1:**
R236	Open	Normal operation.	AVR1:**
R237	Open	Normal operation.	AVR1:**
R239	Open	Normal operation.	AVR1:**
R241	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R242	Open	No hazard.	AVR1:0
R243	Open	Normal operation.	AVR1:*
R244	Open	No hazard.	AVR1:0
R245	Open	No hazard.	AVR1:0
R246	Open	Normal operation.	AVR1:*
R247	Open	Normal operation.	AVR1:*
R248	Open	Normal operation.	AVR1:*
R271	Open	No hazard.	AVR1:0
R272	Open	No hazard.	AVR1:0
R273	Open	Normal operation.	AVR1:*
R274	Open	Normal operation.	AVR1:*
R275	Open	No hazard.	AVR1:0
R303	Open	F101, F102 opened. No hazard.	AVR1:0
R305	Open	F101, F102 opened. No hazard.	AVR1:0
R306	Open	F101, F102 opened. No hazard.	AVR1:0
R307	Open	F101, F102 opened. No hazard.	AVR1:0
R309	Open	F101, F102 opened. No hazard.	AVR1:0
R310	Open	F101, F102 opened. No hazard.	AVR1:0
R311	Open	F101, F102 opened. No hazard.	AVR1:0
R312	Open	F101, F102 opened. No hazard.	AVR1:0
R314	Open	F101, F102 opened. No hazard.	AVR1:0
R315	Open	F101, F102 opened. No hazard.	AVR1:0
R316	Open	F101, F102 opened. No hazard.	AVR1:0
R318	Open	F101, F102 opened. No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R319	Open	F101, F102 opened. No hazard.	AVR1:0
R320	Open	F101, F102 opened. No hazard.	AVR1:0
R321	Open	F101, F102 opened. No hazard.	AVR1:0
R322	Open	F101, F102 opened. No hazard.	AVR1:0
R323	Open	F101, F102 opened. No hazard.	AVR1:0
R324	Open	F101, F102 opened. No hazard.	AVR1:0
R325	Open	F101, F102 opened. No hazard.	AVR1:0
R326	Open	F101, F102 opened. No hazard.	AVR1:0
R327	Open	F101, F102 opened. No hazard.	AVR1:0
R328	Open	F101, F102 opened. No hazard.	AVR1:0
R331	Open	Normal operation.	AVR1:*
R332	Open	No hazard.	AVR1:0
R333	Open	No hazard.	AVR1:0
R334	Open	Normal operation.	AVR1:*
R335	Open	Normal operation.	AVR1:*
R336	Open	Normal operation.	AVR1:*
R337	Open	Normal operation.	AVR1:*
R338	Open	Normal operation.	AVR1:*
R339	Open	Normal operation.	AVR1:*
R351	Open	No hazard.	AVR1:0
R352	Open	Normal operation.	AVR1:*
R353	Open	Normal operation.	AVR1:*
R355	Open	No hazard.	AVR1:0
R356	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R357	Open	Normal operation.	AVR1:**
R360	Open	Normal operation.	AVR1:**
R361	Open	Normal operation.	AVR1:**
R363	Open	Normal operation.	AVR1:**
R364	Open	Normal operation.	AVR1:**
R365	Open	Normal operation.	AVR1:**
R366	Open	Normal operation.	AVR1:**
R369	Open	No hazard.	AVR1:0
R370	Open	No hazard.	AVR1:0
R371	Open	Normal operation.	AVR1:**
R372	Open	Normal operation.	AVR1:**
R373	Open	No hazard.	AVR1:0
R375	Open	No hazard.	AVR1:0
R379	Open	Normal operation.	AVR1:**
R380	Open	No hazard.	AVR1:0
R381	Open	No hazard.	AVR1:0
R382	Open	Normal operation.	AVR1:**
R383	Open	Normal operation.	AVR1:**
R384	Open	Normal operation.	AVR1:**
R385	Open	Normal operation.	AVR1:**
R386	Open	No hazard.	AVR1:0
R387	Open	No hazard.	AVR1:0
R388	Open	Normal operation.	AVR1:**
R389	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R391	Open	Normal operation.	AVR1:**
R395	Open	Normal operation.	AVR1:**
R401	Open	Normal operation.	AVR1:**
R402	Open	Normal operation.	AVR1:**
R403	Open	Normal operation.	AVR1:**
R404	Open	Normal operation.	AVR1:**
R405	Open	No hazard.	AVR1:0
R406	Open	Normal operation.	AVR1:**
R407	Open	Normal operation.	AVR1:**
R408	Open	Normal operation.	AVR1:**
R411	Open	Normal operation.	AVR1:**
R412	Open	Normal operation.	AVR1:**
R413	Open	Normal operation.	AVR1:**
R414	Open	Normal operation.	AVR1:**
R415	Open	Normal operation.	AVR1:**
R422	Open	No hazard.	AVR1:0
R423	Open	No hazard.	AVR1:0
R508	Open	Normal operation.	AVR1:**
R509	Open	Normal operation.	AVR1:**
R511	Open	No hazard.	AVR1:0
R522	Open	Normal operation.	AVR1:**
R524	Open	Normal operation.	AVR1:**
R526	Open	Normal operation.	AVR1:**
R529	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R530	Open	Normal operation.	AVR1:*
R531	Open	No hazard.	AVR1:0
R532	Open	No hazard.	AVR1:0
R533	Open	No hazard.	AVR1:0
R537	Open	No hazard.	AVR1:0
R540	Open	No hazard.	AVR1:0
R541	Open	No hazard.	AVR1:0
R542	Open	No hazard.	AVR1:0
R543	Open	No hazard.	AVR1:0
R544	Open	No hazard.	AVR1:0
R545	Open	No hazard.	AVR1:0
R546	Open	No hazard.	AVR1:0
R547	Open	No hazard.	AVR1:0
R548	Open	Normal operation.	AVR1:*
R549	Open	Normal operation.	AVR1:*
R550	Open	No hazard.	AVR1:0
R551	Open	Normal operation.	AVR1:*
R552	Open	Normal operation.	AVR1:*
R553	Open	Normal operation.	AVR1:*
R554	Open	Normal operation.	AVR1:*
R555	Open	No hazard.	AVR1:0
R556	Open	No hazard.	AVR1:0
R557	Open	Normal operation.	AVR1:*
R558	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R560	Open	No hazard.	AVR1:0
R561	Open	Normal operation.	AVR1:*
R562	Open	No hazard.	AVR1:0
R563	Open	Normal operation.	AVR1:*
R564	Open	Output voltage decreased. No hazard.	AVR1:227
R565	Open	Output voltage increased. No hazard.	AVR1:380
R566	Open	Output voltage increased. No hazard.	AVR1:380
R567	Open	Normal operation.	AVR1:*
R568	Open	Output voltage increased. No hazard.	AVR1:380
R569	Open	Output voltage decreased. No hazard.	AVR1:227
R570	Open	Output voltage decreased. No hazard.	AVR1:227
R571	Open	No hazard.	AVR1:0
R572	Open	No hazard.	AVR1:0
R573	Open	Normal operation.	AVR1:*
R574	Open	Output voltage decreased. No hazard.	AVR1:227
R575	Open	Output voltage decreased. No hazard.	AVR1:227
R576	Open	Output voltage decreased. No hazard.	AVR1:227
R577	Open	Output voltage increased. No hazard.	AVR1:300
R580	Open	Normal operation.	AVR1:*
R581	Open	Normal operation.	AVR1:*
R582	Open	Normal operation.	AVR1:*
R583	Open	No hazard.	AVR1:0
R584	Open	No hazard.	AVR1:0
R585	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R586	Open	No hazard.	AVR1:0
R587	Open	No hazard.	AVR1:0
R588	Open	Normal operation.	AVR1:**
R589	Open	Normal operation.	AVR1:**
R590	Open	No hazard.	AVR1:0
R591	Open	Normal operation.	AVR1:**
R592	Open	No hazard.	AVR1:0
R593	Open	No hazard.	AVR1:0
R594	Open	No hazard.	AVR1:0
R595	Open	No hazard.	AVR1:0
R596	Open	Output voltage increased. No hazard.	AVR1:380
R597	Open	No hazard.	AVR1:0
R598	Open	No hazard.	AVR1:0
R599	Open	No hazard.	AVR1:0
R602	Open	Normal operation.	AVR1:**
R604	Open	No hazard.	AVR1:0
R605	Open	No hazard.	AVR1:0
R606	Open	No hazard.	AVR1:0
R607	Open	Normal operation.	AVR1:**
R608	Open	Normal operation.	AVR1:**
R610	Open	Normal operation.	AVR1:**
R611	Open	Normal operation.	AVR1:**
R612	Open	Normal operation.	AVR1:**
R613	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R614	Open	Normal operation.	AVR1:**
R615	Open	No hazard.	AVR1:0
R616	Open	No hazard.	AVR1:0
R617	Open	No hazard.	AVR1:0
R618	Open	No hazard.	AVR1:0
R619	Open	Normal operation.	AVR1:**
R620	Open	Normal operation.	AVR1:**
R621	Open	Normal operation.	AVR1:**
R622	Open	Normal operation.	AVR1:**
R623	Open	Normal operation.	AVR1:**
R624	Open	Normal operation.	AVR1:**
R630	Open	Normal operation.	AVR1:**
R631	Open	Normal operation.	AVR1:**
R632	Open	Normal operation.	AVR1:**
R633	Open	Normal operation.	AVR1:**
R636	Open	Normal operation.	AVR1:**
R637	Open	No hazard.	AVR1:0
R638	Open	No hazard.	AVR1:0
R639	Open	Normal operation.	AVR1:**
R640	Open	Normal operation.	AVR1:**
R641	Open	Normal operation.	AVR1:**
R642	Open	No hazard.	AVR1:0
R643	Open	Normal operation.	AVR1:**
R644	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R645	Open	Normal operation.	AVR1:**
R646	Open	Normal operation.	AVR1:**
R647	Open	Normal operation.	AVR1:**
R648	Open	Normal operation.	AVR1:**
R649	Open	Normal operation.	AVR1:**
R650	Open	Normal operation.	AVR1:**
R651	Open	Normal operation.	AVR1:**
R652	Open	Normal operation.	AVR1:**
R653	Open	Normal operation.	AVR1:**
R654	Open	Normal operation.	AVR1:**
R655	Open	Normal operation.	AVR1:**
R657	Open	Normal operation.	AVR1:**
R658	Open	Normal operation.	AVR1:**
R660	Open	Normal operation.	AVR1:**
R661	Open	Normal operation.	AVR1:**
R662	Open	Normal operation.	AVR1:**
R663	Open	Normal operation.	AVR1:**
R664	Open	Normal operation.	AVR1:**
R668	Open	Normal operation.	AVR1:**
R669	Open	Normal operation.	AVR1:**
R672	Open	Normal operation.	AVR1:**
R673	Open	Normal operation.	AVR1:**
R674	Open	No hazard.	AVR1:0
R675	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R676	Open	Normal operation.	AVR1:**
R677	Open	Normal operation.	AVR1:**
R678	Open	Normal operation.	AVR1:**
R679	Open	Normal operation.	AVR1:**
R680	Open	Output voltage increased. No hazard.	AVR1:380
R681	Open	No hazard.	AVR1:0
R682	Open	No hazard.	AVR1:0
R701	Open	Normal operation.	AVR1:**
R702	Open	Normal operation.	AVR1:**
R703	Open	Normal operation.	AVR1:**
R705	Open	Normal operation.	AVR1:**
R708	Open	Normal operation.	AVR1:**
R711	Open	Normal operation.	AVR1:**
R712	Open	Normal operation.	AVR1:**
R713	Open	Normal operation.	AVR1:**
R714	Open	Normal operation.	AVR1:**
R715	Open	Normal operation.	AVR1:**
R716	Open	Normal operation.	AVR1:**
R717	Open	Normal operation.	AVR1:**
R719	Open	No hazard.	AVR1:0
R720	Open	No hazard.	AVR1:0
R722	Open	Normal operation.	AVR1:**
R723	Open	Normal operation.	AVR1:**
R724	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R725	Open	Normal operation.	AVR1:**
R726	Open	Normal operation.	AVR1:**
R728	Open	Normal operation.	AVR1:**
R729	Open	Normal operation.	AVR1:**
R730	Open	Normal operation.	AVR1:**
R731	Open	Normal operation.	AVR1:**
R732	Open	Normal operation.	AVR1:**
R733	Open	Normal operation.	AVR1:**
R734	Open	Normal operation.	AVR1:**
R735	Open	Normal operation.	AVR1:**
R736	Open	No hazard.	AVR1:0
R737	Open	No hazard.	AVR1:0
R738	Open	No hazard.	AVR1:0
R739	Open	No hazard.	AVR1:0
R740	Open	No hazard.	AVR1:0
R741	Open	No hazard.	AVR1:0
R742	Open	No hazard.	AVR1:0
R743	Open	Normal operation.	AVR1:**
R744	Open	Normal operation.	AVR1:**
R745	Open	No hazard.	AVR1:0
R746	Open	No hazard.	AVR1:0
R747	Open	No hazard.	AVR1:0
R748	Open	No hazard.	AVR1:0
R749	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R750	Open	Normal operation.	AVR1:**
R751	Open	Normal operation.	AVR1:**
R752	Open	Normal operation.	AVR1:**
R761	Open	No hazard.	AVR1:0
R762	Open	Normal operation.	AVR1:**
R763	Open	Normal operation.	AVR1:**
R764	Open	Normal operation.	AVR1:**
R765	Open	Normal operation.	AVR1:**
R766	Open	Normal operation.	AVR1:**
R767	Open	Normal operation.	AVR1:**
R768	Open	Normal operation.	AVR1:**
R769	Open	Normal operation.	AVR1:**
R772	Open	Normal operation.	AVR1:**
R775	Open	Normal operation.	AVR1:**
R776	Open	Normal operation.	AVR1:**
R777	Open	Normal operation.	AVR1:**
R779	Open	No hazard.	AVR1:0
R780	Open	No hazard.	AVR1:0
R782	Open	Normal operation.	AVR1:**
R783	Open	Normal operation.	AVR1:**
R784	Open	No hazard.	AVR1:0
R785	Open	No hazard.	AVR1:0
R786	Open	F101, F102 opened. No hazard.	AVR1:0
R787	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R788	Open	F101,F102 opened.No hazard.	AVR1:0
R789	Open	Normal operation.	AVR1:*
R791	Open	No hazard.	AVR1:0
R792	Open	No hazard.	AVR1:0
R793	Open	Normal operation.	AVR1:*
R794	Open	Normal operation.	AVR1:*
R795	Open	Normal operation.	AVR1:*
R796	Open	Normal operation.	AVR1:*
R803	Open	No hazard.	AVR1:0
R805	Open	No hazard.	AVR1:0
R816	Open	No hazard.	AVR1:0
R818	Open	No hazard.	AVR1:0
R819	Open	No hazard.	AVR1:0
R851	Open	No hazard.	AVR1:0
R852	Open	F101,F102 opened.No hazard.	AVR1:0
R853	Open	No hazard.	AVR1:0
R854	Open	Normal operation.	AVR1:*
R855	Open	F101,F102 opened.No hazard.	AVR1:0
R856	Open	Normal operation.	AVR1:*
R857	Open	No hazard.	AVR1:0
R858	Open	No hazard.	AVR1:0
R859	Open	F101,F102 opened.No hazard.	AVR1:0
R860	Open	Normal operation.	AVR1:*
R861	Open	F101,F102 opened.No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
R863	Open		Normal operation.	AVR1:**
R864	Open		No hazard.	AVR1:0
R865	Open		No hazard.	AVR1:0
R866	Open		Normal operation.	AVR1:**
R868	Open		Normal operation.	AVR1:**
R869	Open		Normal operation.	AVR1:**
R870	Open		Normal operation.	AVR1:**
R871	Open		No hazard.	AVR1:0
R872	Open		No hazard.	AVR1:0
SS101	Open	1	Normal operation.	AVR1:**
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	See page 100.	
		1-3	See page 100.	
		2-4	F101, F102 opened. No hazard.	AVR1:0
		3-4	F101, F102 opened. No hazard.	AVR1:0
SS102	Open	1	Normal operation.	AVR1:**
		2	F101, F102 opened. No hazard.	AVR1:0
		3	Normal operation.	AVR1:**
	Short	1-2	See page 100.	
		2-3	See page 100.	
SS103	Open	1	Normal operation.	AVR1:**
		2	F101, F102 opened. No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
SS103	Open	3	Normal operation.	AVR1:**
	Short	1-2	See page 100.	
		2-3	See page 100.	
SS501	Open	1	Normal operation.	AVR1:**
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:**
	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0
SS502	Open	1	Normal operation.	AVR1:**
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:**
	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0
SS503	Open	1	Normal operation.	AVR1:**
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:**
	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0
SS504	Open	1	Normal operation.	AVR1:**
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:**
	Short	1-2	F101,F102 opened.No hazard.	AVR1:0
		2-3	F101,F102 opened.No hazard.	AVR1:0
SS505	Open	2	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
SS505	Open	3	Normal operation.	AVR1:**
		4	No hazard.	AVR1:0
	Short	2-3	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
SS701	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**
		3	Normal operation.	AVR1:**
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
T301	Open	1	No hazard.	AVR1:0
		2	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	Normal operation.	AVR1:**
		11	Normal operation.	AVR1:**
	Short	1-2	F101, F102 opened. No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		4-5	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
T301	Short	6-7	Normal operation.	AVR1:**
		7-8	Normal operation.	AVR1:**
		8-9	F101,F102 opened.No hazard.	AVR1:0
		9-10	Normal operation.	AVR1:**
		10-11	Normal operation.	AVR1:**
T302	Open	1	Normal operation.	AVR1:**
		3	Normal operation.	AVR1:**
		4	Normal operation.	AVR1:**
		5	Normal operation.	AVR1:**
		6	Normal operation.	AVR1:**
		7	F101,F102 opened.No hazard.	AVR1:0
		8	F101,F102 opened.No hazard.	AVR1:0
	Short	1-3	Normal operation.	AVR1:**
		1-7	Normal operation.	AVR1:**
		3-8	Normal operation.	AVR1:**
		4-5	Normal operation.	AVR1:**
		4-8	Normal operation.	AVR1:**
		5-6	Normal operation.	AVR1:**
T701	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:**
		3	No hazard.	AVR1:0
		4	Normal operation.	AVR1:**
		5	No hazard.	AVR1:0
		6	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
T701	Open	7	No hazard.	AVR1:0
		8	No hazard.	AVR1:0
		9	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	No hazard.	AVR1:0
		7-8	No hazard.	AVR1:0
		8-9	No hazard.	AVR1:0
TB101	Open	L	No hazard.	AVR1:0
		N	No hazard.	AVR1:0
		FG	Normal operation.	AVR1:*
TH203	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
TH204	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
TR101	Open	D	See page 100.	
		S	See page 100.	
		G	See page 100.	
	Short	D-S	See page 100.	
		S-G	See page 100.	
		G-D	See page 100.	
TR102	Open	D	See page 100.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Open	S	See page 100.	
		G	See page 100.	
	Short	D-S	See page 100.	
		S-G	See page 100.	
		G-D	See page 100.	
TR104	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	F101, F102 opened. No hazard.	AVR1:0
		B-C	F101, F102 opened. No hazard.	AVR1:0
TR106	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	F101, F102 opened. No hazard.	AVR1:0
		B-C	F101, F102 opened. No hazard.	AVR1:0
TR181	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	No hazard.	AVR1:0
TR182	Open	D	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR182	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		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	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR202	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	No hazard.	AVR1:0
TR203	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:**
TR204	Open	D	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR204	Open	S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	Normal operation.	AVR1:*
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR206	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR207	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:*
TR301	Open	D	See page 100.	
		S	See page 101.	
		G	See page 101.	
	Short	D-S	See page 101.	
		S-G	See page 101.	
		G-D	See page 101.	
TR302	Open	D	See page 101.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR302	Open	S	See page 101.	
		G	See page 101.	
	Short	D-S	See page 101.	
		S-G	See page 101.	
		G-D	See page 101.	
TR303	Open	D	See page 101.	
		S	See page 101.	
		G	See page 101.	
	Short	D-S	See page 101.	
		S-G	See page 101.	
		G-D	See page 101.	
TR304	Open	D	See page 101.	
		S	See page 101.	
		G	See page 101.	
	Short	D-S	See page 101.	
		S-G	See page 101.	
		G-D	See page 101.	
TR305	Open	C	Normal operation.	AVR1:*
		E	F101,F102 opened.No hazard.	AVR1:0
		B	F101,F102 opened.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
TR306	Open	C	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR306	Open	E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR307	Open	C	Normal operation.	AVR1:*
		E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR308	Open	C	Normal operation.	AVR1:*
		E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR309	Open	C	Normal operation.	AVR1:*
		E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR310	Open	C	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR310	Open	E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR311	Open	C	Normal operation.	AVR1:*
		E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR312	Open	C	Normal operation.	AVR1:*
		E	F101, F102 opened. No hazard.	AVR1:0
		B	F101, F102 opened. 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
TR332	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
TR501	Open	D	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR501	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR521	Open	C	Normal operation.	AVR1:**
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:**
		B-C	No hazard.	AVR1:0
TR522	Open	C	Normal operation.	AVR1:**
		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:**
TR524	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	No hazard.	AVR1:0
TR525	Open	C	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR525	Open	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
TR527	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
TR528	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
TR529	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	No hazard.	AVR1:0
		E-B	No hazard.	AVR1:0
		B-C	No hazard.	AVR1:0
TR590	Open	D	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR590	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR601	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR602	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	No hazard.	AVR1:0
TR603	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR604	Open	D	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR604	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	No hazard.	AVR1:0
TR605	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	Normal operation.	AVR1:**
TR606	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	No hazard.	AVR1:0
TR607	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:**
TR608	Open	C	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR608	Open	E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	Normal operation.	AVR1:**
		E-B	Normal operation.	AVR1:**
		B-C	Normal operation.	AVR1:**
TR609	Open	D	Output voltage decreased. No hazard.	AVR1:170
		S	Output voltage decreased. No hazard.	AVR1:170
		G	Output voltage decreased. No hazard.	AVR1:170
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	No hazard.	AVR1:0
TR610	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Output voltage decreased. No hazard.	AVR1:170
		S-G	Normal operation.	AVR1:**
		G-D	No hazard.	AVR1:0
TR611	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:170
TR612	Open	D	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR612	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR701	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	See page 101.	
		S-G	Normal operation.	AVR1:**
		G-D	No hazard.	AVR1:0
TR702	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
TR703	Open	D	See page 102.	
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR711	Open	D	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR711	Open	S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR712	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:**
TR713	Open	C(6)	No hazard.	AVR1:0
		E(1)	No hazard.	AVR1:0
		B(2)	No hazard.	AVR1:0
		C(3)	Normal operation.	AVR1:**
		E(4)	No hazard.	AVR1:0
		B(5)	No hazard.	AVR1:0
	Short	E-B(1)-(2)	No hazard.	AVR1:0
		B-C(2)-(3)	Normal operation.	AVR1:**
		E-B(4)-(5)	Normal operation.	AVR1:**
		B-C(5)-(6)	No hazard.	AVR1:0
TR714	Open	C(6)	No hazard.	AVR1:0
		E(1)	No hazard.	AVR1:0
		B(2)	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR714	Open	C(3)	Normal operation.	AVR1:*
		E(4)	Normal operation.	AVR1:*
		B(5)	Normal operation.	AVR1:*
	Short	E-B(1)-(2)	No hazard.	AVR1:0
		B-C(2)-(3)	Normal operation.	AVR1:*
		E-B(4)-(5)	Normal operation.	AVR1:*
		B-C(5)-(6)	No hazard.	AVR1:0
TR715	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
TR716	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
TR717	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



F M E A

Component	Mode		Comment	Output Voltage (V)
TR717	Short	G-D	No hazard.	AVR1:0
TR718	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
TR719	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
TR721	Open	C(6)	Normal operation.	AVR1:**
		E(1)	Normal operation.	AVR1:**
		B(2)	Normal operation.	AVR1:**
		C(3)	Normal operation.	AVR1:**
		E(4)	Normal operation.	AVR1:**
		B(5)	Normal operation.	AVR1:**
	Short	E-B(1)-(2)	Normal operation.	AVR1:**
		B-C(2)-(3)	No hazard.	AVR1:0
		E-B(4)-(5)	Normal operation.	AVR1:**
		B-C(5)-(6)	No hazard.	AVR1:0
TR722	Open	C(6)	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR722	Open	E(1)	Normal operation.	AVR1:**
		B(2)	Normal operation.	AVR1:**
		C(3)	Normal operation.	AVR1:**
		E(4)	No hazard.	AVR1:0
		B(5)	No hazard.	AVR1:0
	Short	E-B(1)-(2)	Normal operation.	AVR1:**
		B-C(2)-(3)	No hazard.	AVR1:0
		E-B(4)-(5)	Normal operation.	AVR1:**
		B-C(5)-(6)	Normal operation.	AVR1:**
TR724	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	No hazard.	AVR1:0
		G-D	Normal operation.	AVR1:**
TR725	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	Normal operation.	AVR1:**
		E-B	No hazard.	AVR1:0
		B-C	No hazard.	AVR1:0
TR726	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR726	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR727	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:*
TR802	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	No hazard.	AVR1:0
		B-C	No hazard.	AVR1:0
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1:30
			No hazard.	AVR1:0
	Short		Output voltage increased. No hazard.	AVR1:380
X101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD101	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD102	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD301	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
ZD302	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
ZD303	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
ZD304	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
ZD305	Open	Normal operation.	AVR1:**
	Short	F101,F102 opened.No hazard.	AVR1:0
ZD503	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD504	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD505	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
ZD511	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD512	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD601	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:170
ZD701	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
ZD702	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD703	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD704	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD705	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD711	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
ZD712	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
ZD713	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
ZD721	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
ZD722	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
ZD802	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C302	Short		No Hazard.	AVR1:0
C303	Short		No Hazard.	AVR1:0
C304	Short		No Hazard.	AVR1:0
C305	Short		No Hazard.	AVR1:0
C306	Short		No Hazard.	AVR1:0
C307	Short		No Hazard.	AVR1:0
C308	Short		No Hazard.	AVR1:0
C309	Short		No Hazard.	AVR1:0
C310	Short		No Hazard.	AVR1:0
C311	Short		No Hazard.	AVR1:0
C616	Short		No Hazard.	AVR1:0
C703	Short		Normal operation.	AVR1:*
C707	Short		No Hazard.	AVR1:0
C810	Short		No Hazard.	AVR1:0
CN502	Short	3-5	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		9-11	No Hazard.	AVR1:0
D302	Short		No Hazard.	AVR1:0
D307	Short		No Hazard.	AVR1:0
D312	Short		No Hazard.	AVR1:0
D313	Short		No Hazard.	AVR1:0
D607	Short		No Hazard.	AVR1:*
D708	Short		No Hazard.	AVR1:*
IC331	Short	9-10	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
IC331	Short	10-11	Normal operation.	AVR1:*
IC711	Open	1	No Hazard.	AVR1:0
IC801	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	No Hazard.	AVR1:0
SS101	Short	1-2	No Hazard.	AVR1:0
		1-3	No Hazard.	AVR1:0
SS102	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
SS103	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
TR101	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
TR102	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
TR301	Open	D	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR301	Open	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
TR302	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
TR303	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
TR304	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
TR701	Short	D-S	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR703	Open	D	Normal operation.	AVR1:*