

ABNORMAL TEST RESULT

OF MODEL PCA1500F

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 : 2/101 ~ 99/101)

(Abnormal Test Result: 100/101 ~ 101/101)

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	Short	F101, F102 opend, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C102	Short	F101, F102 opend, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C103	Short	F101, F102 opend, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C104	Short	F101, F102 opend, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C107	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
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:*
C131	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C132	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C133	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C134	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C135	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C136	Short	F101, F102 open, No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C149	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C150	Short	No hazard.	AVR1:0
	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C151	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C152	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C153	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C154	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C155	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C156	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C157	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C158	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C159	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C160	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C161	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C162	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C181	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C201	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C202	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C203	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C204	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C205	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C206	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C207	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C208	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C211	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C212	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C214	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C221	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C222	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C224	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C225	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C226	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C241	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C251	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C252	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C253	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C254	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C301	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C302	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C304	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C305	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C311	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C312	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C321	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C323	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C331	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C332	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C333	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C334	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C335	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C341	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
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	Output voltage decreased. No hazard.	AVR1:decreased
C347	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C348	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C349	Open	Output voltage increased. No hazard.	AVR1:increased (130%)
	Short	No Hazard.	AVR1:0
C351	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C352	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C353	Open	No Hazard.	AVR1:0
	Short	Output voltage increased. No hazard.	AVR1:increased (130%)
C354	Short	Normal operation.	AVR1:*
	Open	Output voltage decreased. No hazard.	AVR1:decreased
C355	Short	No Hazard.	AVR1:0
	Open	Output voltage decreased. No hazard.	AVR1:decreased
C357	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C358	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C360	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C361	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C362	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C363	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C364	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C367	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C372	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C373	Open	Normal operation.	AVR1:*
	Short	Output voltage increased. No hazard.	AVR1:increased (130%)
C381	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C382	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C383	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C384	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C391	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C392	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C393	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C394	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C395	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C396	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C401	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C402	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C403	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C404	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C406	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C421	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C422	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C423	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C424	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C501	Short	Output voltage decreased. No hazard.	AVR1:decreased
C502	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C505	Short	Output voltage decreased. No hazard.	AVR1:decreased
C506	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C510	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C511	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C513	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C514	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C515	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C516	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C517	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C518	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C519	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C520	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C520	Short	Normal operation.	AVR1:*
C521	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C522	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C523	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C524	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C525	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C526	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C527	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C528	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C529	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C530	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C531	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C532	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C532	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	Output voltage decreased. No hazard.	AVR1:decreased
C542	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C543	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C544	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C544	Short	Output voltage decreased. No hazard.	AVR1:decreased
C545	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C546	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C547	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C548	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C549	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C550	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
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:*
C556	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C556	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:*
C568	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C568	Short	Normal operation.	AVR1:*
C569	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	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C604	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C605	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C606	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C611	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C612	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C613	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C614	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C615	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C615	Open	Normal operation.	AVR1:*
C616	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C617	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C618	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C619	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C621	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C623	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C624	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C625	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C626	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C627	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C628	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C633	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C633	Open	Normal operation.	AVR1:*
C634	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C635	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C640	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C643	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C661	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C662	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C663	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C664	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C665	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C666	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C693	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C701	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C701	Short	Normal operation.	AVR1:*
C702	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C703	Short	See page 100.	
	Open	Normal operation.	AVR1:*
C704	Short	See page 100.	
	Open	Normal operation.	AVR1:*
C705	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C706	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C708	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C709	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C710	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C713	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C714 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C720	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C721	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C721	Open	Normal operation.	AVR1:*
C722	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C723	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C724	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C725	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C726	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C727	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C728	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C729	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C731	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C732	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C733	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C734	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C734	Short	Output voltage decreased. No hazard.	AVR1:decreased
C735	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C736	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C749	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C750	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C751	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C752	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C753	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C754	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C755	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C756	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C760	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C761	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C761	Short	Output voltage decreased. No hazard.	AVR1:decreased
C762	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C763	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C764	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C765	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C766	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C791	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C801	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C802	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C803	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C804	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C805	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C806	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C806	Open	Normal operation.	AVR1:*
C807	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C808	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C809	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C810	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C811	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C812	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C814	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C815	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C831	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C832	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C833	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C901	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C901	Open	Normal operation.	AVR1:*
C902	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C903	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C904	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C905	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C906	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C911	Short	Normal operation.	AVR1:*
	Open	Normal operation.	AVR1:*
C912	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C913	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C914	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C920	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
C921	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C922	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C922	Short	Normal operation.	AVR1:*
C931	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C941	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C942	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C943	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C944	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C951	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C952	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C953	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D101	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D102	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D103	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D104	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D104	Short	Normal operation.	AVR1:*
D105	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D106	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D107	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D108	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D109	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D151	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D152	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D241	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D242	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D303	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D304	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
D304	Short	Normal operation.	AVR1:*
D305	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D331	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D341	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D342	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D343	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D344	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D345	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D351	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D352	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D353	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D381	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D382	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
D382	Short	Normal operation.	AVR1:*
D383	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D384	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D401	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D402	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D403	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D421	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D601	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D602	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D603	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D604	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D605	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D611	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D611	Short	No Hazard.	AVR1:0
D612	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D613	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D614	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D615	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D621	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D622	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D623	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D624	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D625	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D701	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D721	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D722	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
D722	Short	Output voltage decreased. No hazard.	AVR1:decreased
D751	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D761	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D781	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D801	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D802	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D803	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D831	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
D832	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D911	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D931	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D951	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D952	Open	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
D952	Short		Normal operation.	AVR1:*
FAN801	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
FAN802	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
IC101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC101	Short	10-11	No Hazard.	AVR1:0
		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	No Hazard.	AVR1:0
	Open	3	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		13	Normal operation.	AVR1:*
		15	Normal operation.	AVR1:*
	Short	3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
	Open	6	Output voltage decreased. No hazard.	AVR1:decreased
IC151	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC151	Short	4-5	Normal operation.	AVR1:*
IC152	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC201	Short	7-8	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	Normal operation.	AVR1:*
		28-29	No Hazard.	AVR1:0
		29-30	No Hazard.	AVR1:0
		30-31	No Hazard.	AVR1:0
		31-32	No Hazard.	AVR1:0
	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:*

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	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	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	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:*
		27	Normal operation.	AVR1:*
		28	Normal operation.	AVR1:*
		29	Normal operation.	AVR1:*
		30	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	31	Normal operation.	AVR1:*
		32	Normal operation.	AVR1:*
		33	Normal operation.	AVR1:*
		34	Normal operation.	AVR1:*
		35	Normal operation.	AVR1:*
		36	Normal operation.	AVR1:*
		37	Normal operation.	AVR1:*
		38	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		22-23	Normal operation.	AVR1:*
		8-9	Output voltage decreased. No hazard.	AVR1:decreased
		10-11	Output voltage decreased. No hazard.	AVR1:decreased
		15-16	Output voltage decreased. No hazard.	AVR1:decreased
		16-17	Output voltage decreased. No hazard.	AVR1:decreased
		17-18	Output voltage decreased. No hazard.	AVR1:decreased
		18-19	Output voltage decreased. No hazard.	AVR1:decreased
		20-21	Output voltage decreased. No hazard.	AVR1:decreased
		21-22	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	23-24	Output voltage decreased. No hazard.	AVR1:decreased
		24-25	Output voltage decreased. No hazard.	AVR1:decreased
		25-26	Output voltage decreased. No hazard.	AVR1:decreased
		26-27	Output voltage decreased. No hazard.	AVR1:decreased
		27-28	Output voltage decreased. No hazard.	AVR1:decreased
		32-33	Output voltage decreased. No hazard.	AVR1:decreased
		33-34	Output voltage decreased. No hazard.	AVR1:decreased
		34-35	Output voltage decreased. No hazard.	AVR1:decreased
		35-36	Output voltage decreased. No hazard.	AVR1:decreased
		36-37	Output voltage decreased. No hazard.	AVR1:decreased
		37-38	Output voltage decreased. No hazard.	AVR1:decreased
IC202	Open	8	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
	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:*
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC202	Short	6-7	Normal operation.	AVR1:*
IC221	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC301	Short	5-6	No Hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
	Open	2	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
	Short	2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Output voltage decreased. No hazard.	AVR1:decreased
		8	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		6-7	Output voltage decreased. No hazard.	AVR1:decreased
IC311	Open	4	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC311	Open	5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
	Open	3	Output voltage decreased. No hazard.	AVR1:decreased
	Short	5-6	Output voltage decreased. No hazard.	AVR1:decreased
IC312	Open	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	2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC312	Short	1-2	Normal operation.	AVR1:*
	Open	3	Output voltage decreased. No hazard.	AVR1:decreased
	Short	5-6	Output voltage decreased. No hazard.	AVR1:decreased
IC361	Open	4	Normal operation.	AVR1:*
		1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
IC401	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
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0



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Component	Mode		Comment	Output Voltage (V)
IC401	Short	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
		8-9	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
		10-11	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
IC701	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		20	No Hazard.	AVR1:0
		38	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC701	Short	7-8	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		20-21	No Hazard.	AVR1:0
	Open	1	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	Normal operation.	AVR1:*
		21	Normal operation.	AVR1:*
		22	Normal operation.	AVR1:*
		23	Normal operation.	AVR1:*
		24	Normal operation.	AVR1:*
		25	Normal operation.	AVR1:*
		27	Normal operation.	AVR1:*
		28	Normal operation.	AVR1:*
		29	Normal operation.	AVR1:*
		30	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC701	Open	31	Normal operation.	AVR1:*
		32	Normal operation.	AVR1:*
		33	Normal operation.	AVR1:*
		35	Normal operation.	AVR1:*
		36	Normal operation.	AVR1:*
		37	Normal operation.	AVR1:*
	Short	5-6	Normal operation.	AVR1:*
		8-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	Normal operation.	AVR1:*
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		21-22	Normal operation.	AVR1:*
		22-23	Normal operation.	AVR1:*
		23-24	Normal operation.	AVR1:*
		27-28	Normal operation.	AVR1:*
		28-29	Normal operation.	AVR1:*
		29-30	Normal operation.	AVR1:*
		30-31	Normal operation.	AVR1:*
		31-32	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC701	Short	32-33	Normal operation.	AVR1:*
		33-34	Normal operation.	AVR1:*
		35-36	Normal operation.	AVR1:*
		36-37	Normal operation.	AVR1:*
		37-38	Normal operation.	AVR1:*
	Open	26	Output voltage decreased. No hazard.	AVR1:decreased
		34	Output voltage decreased. No hazard.	AVR1:decreased
	Short	24-25	Output voltage decreased. No hazard.	AVR1:decreased
		25-26	Output voltage decreased. No hazard.	AVR1:decreased
		26-27	Output voltage decreased. No hazard.	AVR1:decreased
		34-35	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage increased. No hazard.	AVR1:increased (130%)
IC702	Open	3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	4-5	No Hazard.	AVR1:0
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
IC703	Open	1	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC703	Short	7-8	No Hazard.	AVR1:0
	Open	3	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
	Open	2	Output voltage decreased. No hazard.	AVR1:decreased
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Output voltage decreased. No hazard.	AVR1:decreased
	Short	5-6	Output voltage decreased. No hazard.	AVR1:decreased
IC721	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
		4-5	No Hazard.	AVR1:0
IC722	Open	1	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
	Open	2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
IC722	Short	2-3	Output voltage increased. No hazard.	AVR1:increased(130%)
		4-5	Output voltage increased. No hazard.	AVR1:increased(130%)
IC723	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
	Open	3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
	Short	2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
IC761	Short	4-5	No Hazard.	AVR1:0
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
IC801	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC801	Open	1	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
IC805	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC831	Open	6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
	Short	7-8	No Hazard.	AVR1:0
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	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:*

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Component	Mode		Comment	Output Voltage (V)
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:*
		3-4	Normal operation.	AVR1:*
L102	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L103	Short	1-2	F101, F102 open, No hazard.	AVR1:0
	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	3-4	No Hazard.	AVR1:0
L104	Short	1-2	F101, F102 open, No hazard.	AVR1:0
	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	3-4	No Hazard.	AVR1:0
L105	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L106	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
L107	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L108	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L301	Short		F101, F102 open, No hazard.	AVR1:0
	Open		Output voltage decreased. No hazard.	AVR1:decreased
L801	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L951	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
LED701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
LED702	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC202	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC203	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
PC203	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC204	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
PC205	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	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC401	Short	C-E	No Hazard.	AVR1:0
	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
PC601	Short	A-K	Normal operation.	AVR1:*
	Open	C-E	Output voltage decreased. No hazard.	AVR1:decreased
PC602	Open	A, K	Output voltage increased. No hazard.	AVR1:increased (130%)
		C, E	Output voltage increased. No hazard.	AVR1:increased (130%)
	Short	A-K	Output voltage increased. No hazard.	AVR1:increased (130%)



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Component	Mode		Comment	Output Voltage (V)
PC602	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC701	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
PC781	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
PC782	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
PC802	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
PC803	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC804	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
PC804	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PTH101	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
PTH301	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
PTH601	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PTH602	Open		Normal operation.	AVR1:*
	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:*

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Component	Mode	Comment	Output Voltage (V)
R115	Open	No Hazard.	AVR1:0
R116	Open	No Hazard.	AVR1:0
R117	Open	No Hazard.	AVR1:0
R118	Open	Normal operation.	AVR1:*
R119	Open	Normal operation.	AVR1:*
R120	Open	Normal operation.	AVR1:*
R121	Open	Normal operation.	AVR1:*
R122	Open	No Hazard.	AVR1:0
R123	Open	Normal operation.	AVR1:*
R124	Open	Normal operation.	AVR1:*
R125	Open	Normal operation.	AVR1:*
R126	Open	Normal operation.	AVR1:*
R127	Open	No Hazard.	AVR1:0
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	No Hazard.	AVR1:0
R134	Open	No Hazard.	AVR1:0
R135	Open	Normal operation.	AVR1:*
R136	Open	Normal operation.	AVR1:*
R137	Open	Normal operation.	AVR1:*
R138	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R139	Open	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	No Hazard.	AVR1:0
R145	Open	No Hazard.	AVR1:0
R146	Open	No Hazard.	AVR1:0
R147	Open	Normal operation.	AVR1:*
R148	Open	Normal operation.	AVR1:*
R149	Open	Normal operation.	AVR1:*
R150	Open	No Hazard.	AVR1:0
R151	Open	No Hazard.	AVR1:0
R152	Open	No Hazard.	AVR1:0
R153	Open	Normal operation.	AVR1:*
R154	Open	Normal operation.	AVR1:*
R155	Open	Normal operation.	AVR1:*
R156	Open	Normal operation.	AVR1:*
R158	Open	Normal operation.	AVR1:*
R159	Open	Normal operation.	AVR1:*
R160	Open	Normal operation.	AVR1:*
R161	Open	Normal operation.	AVR1:*
R162	Open	No Hazard.	AVR1:0
R163	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R164	Open	Normal operation.	AVR1:*
R165	Open	No Hazard.	AVR1:0
R166	Open	No Hazard.	AVR1:0
R167	Open	No Hazard.	AVR1:0
R168	Open	No Hazard.	AVR1:0
R169	Open	No Hazard.	AVR1:0
R170	Open	No Hazard.	AVR1:0
R171	Open	Normal operation.	AVR1:*
R172	Open	Normal operation.	AVR1:*
R173	Open	Normal operation.	AVR1:*
R174	Open	No Hazard.	AVR1:0
R175	Open	Normal operation.	AVR1:*
R176	Open	Normal operation.	AVR1:*
R177	Open	Normal operation.	AVR1:*
R178	Open	Normal operation.	AVR1:*
R179	Open	Normal operation.	AVR1:*
R180	Open	Normal operation.	AVR1:*
R181	Open	Normal operation.	AVR1:*
R182	Open	Normal operation.	AVR1:*
R183	Open	No Hazard.	AVR1:0
R184	Open	No Hazard.	AVR1:0
R185	Open	Normal operation.	AVR1:*
R186	Open	Normal operation.	AVR1:*
R187	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R191	Open	No Hazard.	AVR1:0
R192	Open	No Hazard.	AVR1:0
R193	Open	No Hazard.	AVR1:0
R201	Open	No Hazard.	AVR1:0
R202	Open	Output voltage decreased. No hazard.	AVR1:decreased
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R205	Open	Normal operation.	AVR1:*
R206	Open	Normal operation.	AVR1:*
R207	Open	No Hazard.	AVR1:0
R208	Open	Normal operation.	AVR1:*
R209	Open	Normal operation.	AVR1:*
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:*
R216	Open	Normal operation.	AVR1:*
R217	Open	Normal operation.	AVR1:*
R220	Open	Normal operation.	AVR1:*
R221	Open	Normal operation.	AVR1:*
R222	Open	Output voltage decreased. No hazard.	AVR1:decreased
R223	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R224	Open	Normal operation.	AVR1:*
R225	Open	Output voltage decreased. No hazard.	AVR1:decreased
R226	Open	Output voltage decreased. No hazard.	AVR1:decreased
R227	Open	No Hazard.	AVR1:0
R228	Open	Normal operation.	AVR1:*
R229	Open	Normal operation.	AVR1:*
R240	Open	Normal operation.	AVR1:*
R241	Open	Output voltage decreased. No hazard.	AVR1:decreased
R242	Open	Normal operation.	AVR1:*
R243	Open	No Hazard.	AVR1:0
R244	Open	No Hazard.	AVR1:0
R245	Open	No Hazard.	AVR1:0
R246	Open	No Hazard.	AVR1:0
R251	Open	Normal operation.	AVR1:*
R252	Open	No Hazard.	AVR1:0
R253	Open	No Hazard.	AVR1:0
R254	Open	Normal operation.	AVR1:*
R299	Open	Normal operation.	AVR1:*
R300	Open	Normal operation.	AVR1:*
R301	Open	Normal operation.	AVR1:*
R302	Open	Normal operation.	AVR1:*
R303	Open	Normal operation.	AVR1:*
R304	Open	Normal operation.	AVR1:*
R305	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R306	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R308	Open	Normal operation.	AVR1:*
R309	Open	Normal operation.	AVR1:*
R310	Open	Normal operation.	AVR1:*
R311	Open	Output voltage decreased. No hazard.	AVR1:decreased
R312	Open	Normal operation.	AVR1:*
R313	Open	Normal operation.	AVR1:*
R314	Open	Normal operation.	AVR1:*
R315	Open	Normal operation.	AVR1:*
R316	Open	Normal operation.	AVR1:*
R317	Open	Normal operation.	AVR1:*
R318	Open	Normal operation.	AVR1:*
R319	Open	Normal operation.	AVR1:*
R320	Open	Normal operation.	AVR1:*
R321	Open	Output voltage decreased. No hazard.	AVR1:decreased
R322	Open	No Hazard.	AVR1:0
R323	Open	Normal operation.	AVR1:*
R324	Open	Output voltage decreased. No hazard.	AVR1:decreased
R325	Open	Normal operation.	AVR1:*
R326	Open	Normal operation.	AVR1:*
R327	Open	Normal operation.	AVR1:*
R329	Open	Normal operation.	AVR1:*
R330	Open	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
R331	Open	Output voltage decreased. No hazard.	AVR1:decreased
R332	Open	Output voltage decreased. No hazard.	AVR1:decreased
R333	Open	Normal operation.	AVR1:*
R334	Open	Normal operation.	AVR1:*
R335	Open	Normal operation.	AVR1:*
R336	Open	Normal operation.	AVR1:*
R337	Open	Normal operation.	AVR1:*
R338	Open	Output voltage decreased. No hazard.	AVR1:decreased
R339	Open	Normal operation.	AVR1:*
R340	Open	Normal operation.	AVR1:*
R341	Open	Normal operation.	AVR1:*
R342	Open	Output voltage decreased. No hazard.	AVR1:decreased
R343	Open	Normal operation.	AVR1:*
R344	Open	Normal operation.	AVR1:*
R345	Open	Normal operation.	AVR1:*
R346	Open	Normal operation.	AVR1:*
R347	Open	Normal operation.	AVR1:*
R348	Open	Normal operation.	AVR1:*
R349	Open	Normal operation.	AVR1:*
R350	Open	Normal operation.	AVR1:*
R351	Open	Normal operation.	AVR1:*
R352	Open	Normal operation.	AVR1:*
R353	Open	Output voltage decreased. No hazard.	AVR1:decreased
R354	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R355	Open	Output voltage decreased. No hazard.	AVR1:decreased
R356	Open	Normal operation.	AVR1:*
R357	Open	No Hazard.	AVR1:0
R358	Open	No Hazard.	AVR1:0
R359	Open	Normal operation.	AVR1:*
R360	Open	Normal operation.	AVR1:*
R361	Open	Normal operation.	AVR1:*
R362	Open	Normal operation.	AVR1:*
R363	Open	Normal operation.	AVR1:*
R364	Open	No Hazard.	AVR1:0
R366	Open	Normal operation.	AVR1:*
R367	Open	Normal operation.	AVR1:*
R368	Open	Normal operation.	AVR1:*
R369	Open	Normal operation.	AVR1:*
R370	Open	Normal operation.	AVR1:*
R371	Open	Normal operation.	AVR1:*
R372	Open	Normal operation.	AVR1:*
R373	Open	Normal operation.	AVR1:*
R374	Open	Normal operation.	AVR1:*
R375	Open	Output voltage decreased. No hazard.	AVR1:decreased
R376	Open	Normal operation.	AVR1:*
R377	Open	Output voltage decreased. No hazard.	AVR1:decreased
R378	Open	Normal operation.	AVR1:*
R379	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R380	Open	Normal operation.	AVR1:*
R381	Open	Normal operation.	AVR1:*
R382	Open	Normal operation.	AVR1:*
R383	Open	Normal operation.	AVR1:*
R384	Open	Normal operation.	AVR1:*
R385	Open	Normal operation.	AVR1:*
R386	Open	Normal operation.	AVR1:*
R387	Open	Normal operation.	AVR1:*
R388	Open	Normal operation.	AVR1:*
R389	Open	Output voltage increased. No hazard.	AVR1:increased (130%)
R390	Open	Normal operation.	AVR1:*
R391	Open	Normal operation.	AVR1:*
R392	Open	Normal operation.	AVR1:*
R393	Open	Normal operation.	AVR1:*
R394	Open	Normal operation.	AVR1:*
R395	Open	Normal operation.	AVR1:*
R396	Open	Normal operation.	AVR1:*
R397	Open	Normal operation.	AVR1:*
R398	Open	Normal operation.	AVR1:*
R399	Open	Normal operation.	AVR1:*
R401	Open	No Hazard.	AVR1:0
R402	Open	Normal operation.	AVR1:*
R403	Open	Normal operation.	AVR1:*
R404	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R405	Open	Normal operation.	AVR1:*
R406	Open	No Hazard.	AVR1:0
R407	Open	No Hazard.	AVR1:0
R408	Open	No Hazard.	AVR1:0
R409	Open	No Hazard.	AVR1:0
R410	Open	Normal operation.	AVR1:*
R411	Open	No Hazard.	AVR1:0
R412	Open	No Hazard.	AVR1:0
R413	Open	No Hazard.	AVR1:0
R414	Open	Normal operation.	AVR1:*
R415	Open	Normal operation.	AVR1:*
R416	Open	Normal operation.	AVR1:*
R417	Open	Normal operation.	AVR1:*
R421	Open	Normal operation.	AVR1:*
R511	Open	Normal operation.	AVR1:*
R512	Open	Normal operation.	AVR1:*
R513	Open	Normal operation.	AVR1:*
R514	Open	Normal operation.	AVR1:*
R515	Open	Normal operation.	AVR1:*
R516	Open	Normal operation.	AVR1:*
R517	Open	Normal operation.	AVR1:*
R518	Open	Normal operation.	AVR1:*
R519	Open	Normal operation.	AVR1:*
R520	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R521	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R523	Open	Normal operation.	AVR1:*
R524	Open	Normal operation.	AVR1:*
R525	Open	Normal operation.	AVR1:*
R526	Open	Normal operation.	AVR1:*
R527	Open	Normal operation.	AVR1:*
R528	Open	Normal operation.	AVR1:*
R529	Open	Normal operation.	AVR1:*
R530	Open	Normal operation.	AVR1:*
R531	Open	Normal operation.	AVR1:*
R532	Open	Normal operation.	AVR1:*
R533	Open	Normal operation.	AVR1:*
R534	Open	Normal operation.	AVR1:*
R535	Open	Normal operation.	AVR1:*
R536	Open	Normal operation.	AVR1:*
R537	Open	Normal operation.	AVR1:*
R538	Open	Normal operation.	AVR1:*
R539	Open	Normal operation.	AVR1:*
R540	Open	Normal operation.	AVR1:*
R541	Open	Normal operation.	AVR1:*
R542	Open	Normal operation.	AVR1:*
R543	Open	Normal operation.	AVR1:*
R544	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R545	Open	Normal operation.	AVR1:*
R546	Open	Normal operation.	AVR1:*
R547	Open	Normal operation.	AVR1:*
R548	Open	Normal operation.	AVR1:*
R549	Open	Normal operation.	AVR1:*
R550	Open	Normal operation.	AVR1:*
R551	Open	Normal operation.	AVR1:*
R552	Open	Normal operation.	AVR1:*
R553	Open	Normal operation.	AVR1:*
R554	Open	Normal operation.	AVR1:*
R555	Open	Normal operation.	AVR1:*
R556	Open	Normal operation.	AVR1:*
R557	Open	Normal operation.	AVR1:*
R558	Open	Normal operation.	AVR1:*
R559	Open	Normal operation.	AVR1:*
R560	Open	Normal operation.	AVR1:*
R561	Open	Normal operation.	AVR1:*
R562	Open	Normal operation.	AVR1:*
R563	Open	Normal operation.	AVR1:*
R564	Open	Normal operation.	AVR1:*
R565	Open	Normal operation.	AVR1:*
R566	Open	Normal operation.	AVR1:*
R567	Open	Normal operation.	AVR1:*
R568	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R569	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R603	Open	Normal operation.	AVR1:*
R604	Open	No Hazard.	AVR1:0
R605	Open	Normal operation.	AVR1:*
R606	Open	No Hazard.	AVR1:0
R607	Open	No Hazard.	AVR1:0
R608	Open	No Hazard.	AVR1:0
R609	Open	No Hazard.	AVR1:0
R610	Open	Output voltage decreased. No hazard.	AVR1:decreased
R611	Open	Normal operation.	AVR1:*
R612	Open	Normal operation.	AVR1:*
R613	Open	Normal operation.	AVR1:*
R614	Open	Output voltage decreased. No hazard.	AVR1:decreased
R615	Open	No Hazard.	AVR1:0
R616	Open	Normal operation.	AVR1:*
R617	Open	No Hazard.	AVR1:0
R618	Open	No Hazard.	AVR1:0
R619	Open	No Hazard.	AVR1:0
R620	Open	Output voltage decreased. No hazard.	AVR1:decreased
R621	Open	Normal operation.	AVR1:*
R622	Open	Normal operation.	AVR1:*
R623	Open	Normal operation.	AVR1:*
R624	Open	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
R625	Open	No Hazard.	AVR1:0
R626	Open	Normal operation.	AVR1:*
R627	Open	No Hazard.	AVR1:0
R628	Open	No Hazard.	AVR1:0
R629	Open	No Hazard.	AVR1:0
R631	Open	No Hazard.	AVR1:0
R632	Open	Normal operation.	AVR1:*
R633	Open	No Hazard.	AVR1:0
R634	Open	Normal operation.	AVR1:*
R635	Open	Normal operation.	AVR1:*
R636	Open	Normal operation.	AVR1:*
R637	Open	Normal operation.	AVR1:*
R638	Open	No Hazard.	AVR1:0
R639	Open	No Hazard.	AVR1:0
R641	Open	No Hazard.	AVR1:0
R642	Open	Normal operation.	AVR1:*
R643	Open	Normal operation.	AVR1:*
R644	Open	Normal operation.	AVR1:*
R645	Open	No Hazard.	AVR1:0
R646	Open	Normal operation.	AVR1:*
R647	Open	No Hazard.	AVR1:0
R648	Open	Normal operation.	AVR1:*
R651	Open	No Hazard.	AVR1:0
R652	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R653	Open	Normal operation.	AVR1:*
R654	Open	No Hazard.	AVR1:0
R655	Open	No Hazard.	AVR1:0
R656	Open	Normal operation.	AVR1:*
R657	Open	No Hazard.	AVR1:0
R658	Open	Normal operation.	AVR1:*
R661	Open	Normal operation.	AVR1:*
R662	Open	Normal operation.	AVR1:*
R663	Open	Normal operation.	AVR1:*
R664	Open	Normal operation.	AVR1:*
R665	Open	Normal operation.	AVR1:*
R667	Open	Normal operation.	AVR1:*
R668	Open	Normal operation.	AVR1:*
R669	Open	Normal operation.	AVR1:*
R670	Open	Normal operation.	AVR1:*
R671	Open	Normal operation.	AVR1:*
R673	Open	Normal operation.	AVR1:*
R674	Open	Normal operation.	AVR1:*
R675	Open	Normal operation.	AVR1:*
R676	Open	Normal operation.	AVR1:*
R677	Open	Normal operation.	AVR1:*
R678	Open	Normal operation.	AVR1:*
R679	Open	Normal operation.	AVR1:*
R680	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R681	Open	Normal operation.	AVR1:*
R682	Open	Normal operation.	AVR1:*
R683	Open	Normal operation.	AVR1:*
R684	Open	Normal operation.	AVR1:*
R685	Open	Normal operation.	AVR1:*
R686	Open	Normal operation.	AVR1:*
R687	Open	Normal operation.	AVR1:*
R688	Open	Normal operation.	AVR1:*
R697	Open	Normal operation.	AVR1:*
R698	Open	Normal operation.	AVR1:*
R699	Open	Normal operation.	AVR1:*
R701	Open	Normal operation.	AVR1:*
R703	Open	Normal operation.	AVR1:*
R704	Open	Normal operation.	AVR1:*
R705	Open	Normal operation.	AVR1:*
R706	Open	Normal operation.	AVR1:*
R707	Open	No Hazard.	AVR1:0
R708	Open	No Hazard.	AVR1:0
R710	Open	No Hazard.	AVR1:0
R711	Open	No Hazard.	AVR1:0
R712	Open	Normal operation.	AVR1:*
R713	Open	Normal operation.	AVR1:*
R714	Open	Normal operation.	AVR1:*
R715	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R716	Open	No Hazard.	AVR1:0
R717	Open	Normal operation.	AVR1:*
R721	Open	No Hazard.	AVR1:0
R722	Open	Normal operation.	AVR1:*
R723	Open	Normal operation.	AVR1:*
R724	Open	Output voltage decreased. No hazard.	AVR1:decreased
R726	Open	No Hazard.	AVR1:0
R727	Open	Normal operation.	AVR1:*
R728	Open	Normal operation.	AVR1:*
R729	Open	Normal operation.	AVR1:*
R730	Open	Output voltage decreased. No hazard.	AVR1:decreased
R731	Open	No Hazard.	AVR1:0
R732	Open	Output voltage decreased. No hazard.	AVR1:decreased
R733	Open	Output voltage decreased. No hazard.	AVR1:decreased
R734	Open	No Hazard.	AVR1:0
R735	Open	Output voltage decreased. No hazard.	AVR1:decreased
R736	Open	Normal operation.	AVR1:*
R737	Open	Output voltage decreased. No hazard.	AVR1:decreased
R738	Open	Output voltage decreased. No hazard.	AVR1:decreased
R739	Open	Normal operation.	AVR1:*
R740	Open	Normal operation.	AVR1:*
R741	Open	No Hazard.	AVR1:0
R742	Open	No Hazard.	AVR1:0
R743	Open	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R744	Open	No Hazard.	AVR1:0
R749	Open	No Hazard.	AVR1:0
R750	Open	Normal operation.	AVR1:*
R751	Open	Normal operation.	AVR1:*
R752	Open	No Hazard.	AVR1:0
R753	Open	Normal operation.	AVR1:*
R754	Open	Normal operation.	AVR1:*
R755	Open	Normal operation.	AVR1:*
R756	Open	Normal operation.	AVR1:*
R757	Open	No Hazard.	AVR1:0
R759	Open	Output voltage decreased. No hazard.	AVR1:decreased
R760	Open	Output voltage decreased. No hazard.	AVR1:decreased
R761	Open	Output voltage increased. No hazard.	AVR1:increased(130%)
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:*
R771	Open	Output voltage decreased. No hazard.	AVR1:decreased
R772	Open	Output voltage decreased. No hazard.	AVR1:decreased
R773	Open	Normal operation.	AVR1:*
R774	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R781	Open	No Hazard.	AVR1:0
R782	Open	No Hazard.	AVR1:0
R783	Open	Normal operation.	AVR1:*
R784	Open	No Hazard.	AVR1:0
R785	Open	No Hazard.	AVR1:0
R786	Open	No Hazard.	AVR1:0
R787	Open	No Hazard.	AVR1:0
R788	Open	No Hazard.	AVR1:0
R789	Open	No Hazard.	AVR1:0
R790	Open	Normal operation.	AVR1:*
R791	Open	Normal operation.	AVR1:*
R792	Open	Normal operation.	AVR1:*
R793	Open	Normal operation.	AVR1:*
R795	Open	Normal operation.	AVR1:*
R796	Open	Normal operation.	AVR1:*
R799	Open	Normal operation.	AVR1:*
R801	Open	No Hazard.	AVR1:0
R802	Open	Normal operation.	AVR1:*
R803	Open	No Hazard.	AVR1:0
R804	Open	No Hazard.	AVR1:0
R805	Open	No Hazard.	AVR1:0
R806	Open	No Hazard.	AVR1:0
R807	Open	No Hazard.	AVR1:0
R808	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R809	Open	Normal operation.	AVR1:*
R810	Open	Normal operation.	AVR1:*
R813	Open	Normal operation.	AVR1:*
R814	Open	Normal operation.	AVR1:*
R815	Open	Normal operation.	AVR1:*
R817	Open	Normal operation.	AVR1:*
R818	Open	Normal operation.	AVR1:*
R820	Open	No Hazard.	AVR1:0
R821	Open	Normal operation.	AVR1:*
R822	Open	Normal operation.	AVR1:*
R823	Open	Normal operation.	AVR1:*
R824	Open	Normal operation.	AVR1:*
R831	Open	Normal operation.	AVR1:*
R832	Open	Normal operation.	AVR1:*
R901	Open	Normal operation.	AVR1:*
R902	Open	Normal operation.	AVR1:*
R903	Open	Normal operation.	AVR1:*
R904	Open	Normal operation.	AVR1:*
R905	Open	No Hazard.	AVR1:0
R906	Open	Normal operation.	AVR1:*
R907	Open	Normal operation.	AVR1:*
R908	Open	Normal operation.	AVR1:*
R909	Open	Normal operation.	AVR1:*
R910	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R911	Open	Normal operation.	AVR1:*
R912	Open	Normal operation.	AVR1:*
R913	Open	Normal operation.	AVR1:*
R914	Open	Normal operation.	AVR1:*
R915	Open	Normal operation.	AVR1:*
R916	Open	Normal operation.	AVR1:*
R921	Open	Normal operation.	AVR1:*
R922	Open	Normal operation.	AVR1:*
R923	Open	Normal operation.	AVR1:*
R924	Open	Normal operation.	AVR1:*
R925	Open	Normal operation.	AVR1:*
R926	Open	Normal operation.	AVR1:*
R927	Open	Normal operation.	AVR1:*
R931	Open	Normal operation.	AVR1:*
R932	Open	Normal operation.	AVR1:*
R941	Open	Normal operation.	AVR1:*
R942	Open	Normal operation.	AVR1:*
R943	Open	Normal operation.	AVR1:*
R944	Open	Normal operation.	AVR1:*
R951	Open	Normal operation.	AVR1:*
R952	Open	Normal operation.	AVR1:*
R953	Open	Normal operation.	AVR1:*
R954	Open	Normal operation.	AVR1:*
R955	Open	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
R956	Open		Normal operation.	AVR1:*
R971	Open		Normal operation.	AVR1:*
SS101	Open		No Hazard.	AVR1:0
	Short		See page 100.	
SS102	Open		No Hazard.	AVR1:0
	Short		See page 100.	
SS110	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS301	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
T401	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
		9	No Hazard.	AVR1:0
		10	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

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Component	Mode		Comment	Output Voltage (V)
T401	Short	6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
T501	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
	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:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		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:*

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Component	Mode		Comment	Output Voltage (V)
T501	Open	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:*
		27	Normal operation.	AVR1:*
		28	Normal operation.	AVR1:*
		29	Normal operation.	AVR1:*
		30	Normal operation.	AVR1:*
		31	Normal operation.	AVR1:*
		32	Normal operation.	AVR1:*
	Short	2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	Output voltage decreased. No hazard.	AVR1:decreased
		6-7	Output voltage decreased. No hazard.	AVR1:decreased
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
		8-9	Output voltage decreased. No hazard.	AVR1:decreased
		9-10	Output voltage decreased. No hazard.	AVR1:decreased
		10-11	Output voltage decreased. No hazard.	AVR1:decreased
		11-12	Output voltage decreased. No hazard.	AVR1:decreased
		12-13	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
T501	Short	13-14	Output voltage decreased. No hazard.	AVR1:decreased
		14-15	Output voltage decreased. No hazard.	AVR1:decreased
		15-16	Output voltage decreased. No hazard.	AVR1:decreased
		16-17	Output voltage decreased. No hazard.	AVR1:decreased
		17-18	Output voltage decreased. No hazard.	AVR1:decreased
		18-19	Output voltage decreased. No hazard.	AVR1:decreased
		19-20	Output voltage decreased. No hazard.	AVR1:decreased
		20-21	Output voltage decreased. No hazard.	AVR1:decreased
		21-22	Output voltage decreased. No hazard.	AVR1:decreased
		22-23	Output voltage decreased. No hazard.	AVR1:decreased
		23-24	Output voltage decreased. No hazard.	AVR1:decreased
		24-25	Output voltage decreased. No hazard.	AVR1:decreased
		25-26	Output voltage decreased. No hazard.	AVR1:decreased
		26-27	Output voltage decreased. No hazard.	AVR1:decreased
		27-28	Output voltage decreased. No hazard.	AVR1:decreased
		28-29	Output voltage decreased. No hazard.	AVR1:decreased
		29-30	Output voltage decreased. No hazard.	AVR1:decreased
		30-31	Output voltage decreased. No hazard.	AVR1:decreased
		31-32	Output voltage decreased. No hazard.	AVR1:decreased
T901	Short	1-2	No Hazard.	AVR1:0
	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
T901	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
	Short	2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
TH201	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
TR101	Short	S-G	No Hazard.	AVR1:0
	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		G-D	See page 100.	
TR102	Short	S-G	No Hazard.	AVR1:0
	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		G-D	See page 100.	
TR103	Short	S-G	No Hazard.	AVR1:0
	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR103	Short	D-S	See page 100.	
		G-D	See page 100.	
TR104	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		S-G	See page 100.	
		G-D	No Hazard.	AVR1:0
TR151	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (3-4)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR152	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:*

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Component	Mode		Comment	Output Voltage (V)
TR153	Open	G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*
TR180	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	S-G	No Hazard.	AVR1:0
		D-S	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR181	Open	2 (3)	No Hazard.	AVR1:0
		2 (4)	No Hazard.	AVR1:0
		2 (5)	No Hazard.	AVR1:0
	Short	2-2 (3-4)	No Hazard.	AVR1:0
	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR221	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR221	Open	G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR251	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:*
TR252	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	Short	S-G	No Hazard.	AVR1:0
	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	See page 100.	
		G-D	See page 100.	
TR302	Short	S-G	No Hazard.	AVR1:0
	Open	D	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR302	Open	S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	See page 100.	
		G-D	See page 100.	
TR303	Short	D-S	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*
TR304	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:*
TR305	Short	C-E	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	E-B	Normal operation.	AVR1:*
TR311	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR311	Open	G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 100.	
TR312	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 100.	
TR313	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 100.	
TR314	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 100.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 100.	
TR331	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR331	Open	2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR332	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	E-B	Normal operation.	AVR1:*
		C-E	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR341	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	E-B	Normal operation.	AVR1:*
		C-E	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR351	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR351	Open	2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR352	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR510	Open	D	See page 101.	
		S	See page 101.	
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR511	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR512	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	C-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR513	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR514	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR515	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR516	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR517	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR518	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR519	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR520	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR521	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR522	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR523	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR524	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR525	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR526	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR527	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR528	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR529	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No Hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR601	Open	E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
	Open	C	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
TR602	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

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Component	Mode		Comment	Output Voltage (V)
TR603	Short	B-C (2-3)	No Hazard.	AVR1:0
		B-C (5-6)	No Hazard.	AVR1:0
	Open	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:*
		C (6)	Normal operation.	AVR1:*
	Short	E-B (1-2)	Normal operation.	AVR1:*
		E-B (4-5)	Normal operation.	AVR1:*
TR611	Open	D (3)	No Hazard.	AVR1:0
		S (4)	No Hazard.	AVR1:0
		G (5)	No Hazard.	AVR1:0
	Short	G-D (2-3)	No Hazard.	AVR1:0
		D-S (3-4)	No Hazard.	AVR1:0
		S-G (4-5)	No Hazard.	AVR1:0
		G-D (5-6)	No Hazard.	AVR1:0
	Open	S (1)	Output voltage decreased. No hazard.	AVR1:decreased
		G (2)	Output voltage decreased. No hazard.	AVR1:decreased
		D (6)	Output voltage decreased. No hazard.	AVR1:decreased
	Short	S-G (1-2)	Output voltage decreased. No hazard.	AVR1:decreased
TR612	Open	E (4)	No Hazard.	AVR1:0
		B (5)	No Hazard.	AVR1:0
		C (6)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR612	Short	B-C (2-3)	No Hazard.	AVR1:0
		E-B (4-5)	No Hazard.	AVR1:0
	Open	E (1)	Normal operation.	AVR1:*
		B (2)	Normal operation.	AVR1:*
		C (3)	Normal operation.	AVR1:*
	Short	E-B (1-2)	Normal operation.	AVR1:*
		B-C (5-6)	Normal operation.	AVR1:*
TR621	Open	D (3)	No Hazard.	AVR1:0
		S (4)	No Hazard.	AVR1:0
		G (5)	No Hazard.	AVR1:0
	Short	G-D (2-3)	No Hazard.	AVR1:0
		D-S (3-4)	No Hazard.	AVR1:0
		S-G (4-5)	No Hazard.	AVR1:0
		G-D (5-6)	No Hazard.	AVR1:0
	Open	S (1)	Output voltage decreased. No hazard.	AVR1:decreased
		G (2)	Output voltage decreased. No hazard.	AVR1:decreased
		D (6)	Output voltage decreased. No hazard.	AVR1:decreased
	Short	S-G (1-2)	Output voltage decreased. No hazard.	AVR1:decreased
TR622	Open	E (4)	No Hazard.	AVR1:0
		B (5)	No Hazard.	AVR1:0
		C (6)	No Hazard.	AVR1:0
	Short	B-C (2-3)	No Hazard.	AVR1:0
		E-B (4-5)	No Hazard.	AVR1:0
	Open	E (1)	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR622	Open	B(2)	Normal operation.	AVR1:*
		C(3)	Normal operation.	AVR1:*
	Short	E-B(1-2)	Normal operation.	AVR1:*
		B-C(5-6)	Normal operation.	AVR1:*
TR631	Short	B-C(2-3)	No Hazard.	AVR1:0
		B-C(5-6)	No Hazard.	AVR1:0
	Open	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:*
		C(6)	Normal operation.	AVR1:*
	Short	E-B(1-2)	Normal operation.	AVR1:*
		E-B(4-5)	Normal operation.	AVR1:*
TR691	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:*
TR701	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR701	Short	S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR751	Short	C-E	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	E-B	Normal operation.	AVR1:*
TR761	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR771	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:*

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Component	Mode		Comment	Output Voltage (V)
TR781	Open	1 (1)	No Hazard.	AVR1:0
		1 (2)	No Hazard.	AVR1:0
		2 (3)	No Hazard.	AVR1:0
		2 (4)	No Hazard.	AVR1:0
		2 (5)	No Hazard.	AVR1:0
		1 (6)	No Hazard.	AVR1:0
	Short	1-1 (1-2)	No Hazard.	AVR1:0
		1-2 (2-3)	No Hazard.	AVR1:0
		2-2 (4-5)	No Hazard.	AVR1:0
		2-1 (5-6)	No Hazard.	AVR1:0
TR782	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
TR791	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:*
TR801	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR801	Open	G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	AVR1:*
		S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	AVR1:*
TR804	Open	1 (1)	No Hazard.	AVR1:0
		1 (2)	No Hazard.	AVR1:0
		1 (6)	No Hazard.	AVR1:0
	Short	1-1 (1-2)	No Hazard.	AVR1:0
		1-2 (2-3)	No Hazard.	AVR1:0
		2-1 (5-6)	No Hazard.	AVR1:0
	Open	2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
	Short	2-2 (4-5)	Normal operation.	AVR1:*
TR901	Short	D-S	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*
TR902	Open	S (1)	No Hazard.	AVR1:0
		G (2)	No Hazard.	AVR1:0
		D (6)	No Hazard.	AVR1:0
	Short	S-G (1-2)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR902	Short	G-D (2-3)	No Hazard.	AVR1:0
	Open	D (3)	Normal operation.	AVR1:*
		S (4)	Normal operation.	AVR1:*
		G (5)	Normal operation.	AVR1:*
	Short	S-G (4-5)	Normal operation.	AVR1:*
		G-D (5-6)	Normal operation.	AVR1:*
TR921	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:*
TR931	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:*
VR701	Open	brush	No Hazard.	AVR1:0
			No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:0
X101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
X101	Open	4	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Fuse opend.No hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
ZD301	Short		No Hazard.	AVR1:0
	Open		Normal operation.	AVR1:*
ZD302	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD303	Short		No Hazard.	AVR1:0
	Open		Normal operation.	AVR1:*
ZD321	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD323	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD351	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD381	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD382	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD601	Short		No Hazard.	AVR1:0
	Open		Normal operation.	AVR1:*
ZD602	Short		No Hazard.	AVR1:0
	Open		Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
ZD603	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
ZD604	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
ZD605	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
ZD751	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD761	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD762	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD763	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD801	Short	No Hazard.	AVR1:0
	Open	Normal operation.	AVR1:*
ZD901	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C703	Short		Normal operation.	AVR1:*
C704	Short		Normal operation.	AVR1:*
SS101	Short		F101, F102 opened. No hazard.	AVR1:0
SS102	Short		F101, F102 opened. No hazard.	AVR1:0
TR101	Short	D-S	F101, F102 opened. No hazard.	AVR1:0
		G-D	F101, F102 opened. No hazard.	AVR1:0
TR102	Short	D-S	F101, F102 opened. No hazard.	AVR1:0
		G-D	F101, F102 opened. No hazard.	AVR1:0
TR103	Short	D-S	F101, F102 opened. No hazard.	AVR1:0
		G-D	F101, F102 opened. No hazard.	AVR1:0
TR104	Short	D-S	F101, F102 opened. No hazard.	AVR1:0
		S-G	F101, F102 opened. No hazard.	AVR1:0
TR301	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
TR302	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
TR311	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
TR312	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
TR313	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
TR314	Short	D-S	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0
		G-D	Fuse, FULL Bridge inverter failuted. No hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR510	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*