



ABNORMAL TEST RESULT

OF MODEL PDA300F

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/37 ~ 36/37)

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

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric breakdown, opening of the ground fuse, other indication of a shock or fire hazard.



F M E A

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C102	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C109	Open	See page 37.	
	Short	F101 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C114	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C117	Open	Normal operation.	AVR1:**
	Short	See page 37.	
C201	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C204	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
C209	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C210	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C212	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C309	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C311	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C312	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C314	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C315	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C316	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C317	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C318	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C319	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C320	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C321	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C323	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C324	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C325	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C328	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C329	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C330	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
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:*
C335	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



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:**
C350	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C351	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C401	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C402	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C404	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C405	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C406	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C407	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C409	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C410	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C411	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C412	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C413	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C414	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C415	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C416	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C503	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C508	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C509	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C510 (Except:-5)	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C511	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C512	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C513 (Except:-5)	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C514 (Except:-5)	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C527	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C528	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C601	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C603	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C605	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C606	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C609	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C610	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C614	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C615	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C616	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C618	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C619	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C620	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C622	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C623 (Except:12, -5)	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C630	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C631	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C632	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C633	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C640	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C641	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C701	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C702	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C703	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C707	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C708	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C709	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C710	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C711	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C712	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C713	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C714	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C715	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C716	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D101	Open	F101 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
D103	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D104	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
D105	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D106	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D107	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
D202	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D301	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D302	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D305	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D307	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D308	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D309	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D311	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D401 AVR1:*	Open	AVR1:*	Normal operation.
	Short	AVR1:*	Normal operation.
D402 AVR1:*	Open	AVR1:*	Normal operation.
	Short	AVR1:0	No Hazard.
D403 AVR1:*	Open	AVR1:*	Normal operation.
	Short	AVR1:*	Normal operation.
D404 AVR1:0	Open	AVR1:0	No Hazard.
	Short	AVR1:0	No Hazard.



F M E A

Component	Mode	Comment	Output Voltage (V)
D601	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D607	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D608	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D609	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D610	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D616	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D701	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D702	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D703	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D704	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D705	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D706	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
D711	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D712	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
FAN701	Open	1	Normal operation.	AVR1:**
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:**
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:**
		2-3	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
FAN702	Open	1	Normal operation.	AVR1:**
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:**
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:**
		2-3	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
IC201	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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	F101 opened, No hazard.	AVR1:0
IC301	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		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
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	No Hazard.	AVR1:0
		20	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		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	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		12-13	Normal operation.	AVR1:*
		13-14	No Hazard.	AVR1:0
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
		16-17	No Hazard.	AVR1:0
		17-18	No Hazard.	AVR1:0
		18-19	No Hazard.	AVR1:0
		19-20	No Hazard.	AVR1:0
IC302	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Open	3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		4-5	No Hazard.	AVR1:0
IC303	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	No Hazard.	AVR1:0
IC401	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Open	11	No Hazard.	AVR1:0
		12	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	See page 37.	
		5-6	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
		8-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	See page 37.	
		11-12	Normal operation.	AVR1:*
IC501	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:*
IC601	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	2-3	No Hazard.	AVR1:0
IC603	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**
		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	Normal operation.	AVR1:**
		3-4	Normal operation.	AVR1:**
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC604	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:**
		2-3	Normal operation.	AVR1:**
		4-5	No Hazard.	AVR1:0
IC701	Open	1	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Open	2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
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	F101 opened, No hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0
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	F101 opened, No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	F101 opened, No hazard.	AVR1:0
L103	Open	7	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
L509	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
PC301	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
PC301	Short	A-K	Normal operation.	AVR1:**
		C-E	No Hazard.	AVR1:0
PC302	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	No Hazard.	AVR1:0
PC303	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
PC603	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC702	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PC703	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	Normal operation.	AVR1:**
PTH301	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
PTH302	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:**
R119	Open	F101 opened, No hazard.	AVR1:0
R120	Open	Normal operation.	AVR1:**
R121	Open	Normal operation.	AVR1:**
R122	Open	No Hazard.	AVR1:0
R124	Open	Normal operation.	AVR1:**
R125	Open	Normal operation.	AVR1:**
R126	Open	Normal operation.	AVR1:**
R214	Open	No Hazard.	AVR1:0
R215	Open	No Hazard.	AVR1:0
R216	Open	No Hazard.	AVR1:0
R217	Open	No Hazard.	AVR1:0
R218	Open	No Hazard.	AVR1:0
R219	Open	No Hazard.	AVR1:0
R220	Open	No Hazard.	AVR1:0
R225	Open	F101 opened, No hazard.	AVR1:0
R227	Open	Normal operation.	AVR1:**
R228	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R229	Open	No Hazard.	AVR1:0
R230	Open	No Hazard.	AVR1:0
R231	Open	No Hazard.	AVR1:0
R232	Open	No Hazard.	AVR1:0
R233	Open	No Hazard.	AVR1:0
R234	Open	No Hazard.	AVR1:0
R235	Open	Normal operation.	AVR1:**
R236	Open	Normal operation.	AVR1:**
R237	Open	Normal operation.	AVR1:**
R238	Open	Normal operation.	AVR1:**
R239	Open	Normal operation.	AVR1:**
R240	Open	Normal operation.	AVR1:**
R241	Open	Normal operation.	AVR1:**
R242	Open	Normal operation.	AVR1:**
R243	Open	Normal operation.	AVR1:**
R244	Open	Normal operation.	AVR1:**
R245 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R246 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R247 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R248 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R249 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R250 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R251 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R252 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R253 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R254	Open	Normal operation.	AVR1:**
R255	Open	Normal operation.	AVR1:**
R256	Open	Normal operation.	AVR1:**
R257	Open	Normal operation.	AVR1:**
R258	Open	Normal operation.	AVR1:**
R259	Open	Normal operation.	AVR1:**
R260	Open	Normal operation.	AVR1:**
R261	Open	Normal operation.	AVR1:**
R262	Open	Normal operation.	AVR1:**
R263 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R264 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R265 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R266 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R267 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R268 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R269 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R270 (Only -12, -15, -5)	Open	Normal operation.	AVR1:**
R271 (Only -12, -15, -5)	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:**



F M E A

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	Normal operation.	AVR1:**
R312	Open	Normal operation.	AVR1:**
R318	Open	No Hazard.	AVR1:0
R319	Open	Normal operation.	AVR1:**
R320	Open	Normal operation.	AVR1:**
R321	Open	Normal operation.	AVR1:**
R322	Open	Normal operation.	AVR1:**
R323	Open	Normal operation.	AVR1:**
R324	Open	Normal operation.	AVR1:**
R325	Open	No Hazard.	AVR1:0
R326	Open	No Hazard.	AVR1:0
R327	Open	No Hazard.	AVR1:0
R328	Open	No Hazard.	AVR1:0
R329	Open	No Hazard.	AVR1:0
R330	Open	No Hazard.	AVR1:0
R331	Open	No Hazard.	AVR1:0
R332	Open	No Hazard.	AVR1:0
R336	Open	No Hazard.	AVR1:0
R337	Open	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R338	Open	No Hazard.	AVR1:0
R339	Open	Normal operation.	AVR1:*
R340	Open	Normal operation.	AVR1:*
R341	Open	No Hazard.	AVR1:0
R342	Open	No Hazard.	AVR1:0
R343	Open	No Hazard.	AVR1:0
R344	Open	Normal operation.	AVR1:*
R345	Open	No Hazard.	AVR1:0
R346	Open	Normal operation.	AVR1:*
R347	Open	Normal operation.	AVR1:*
R348	Open	No Hazard.	AVR1:0
R349	Open	No Hazard.	AVR1:0
R350	Open	No Hazard.	AVR1:0
R353	Open	No Hazard.	AVR1:0
R355	Open	No Hazard.	AVR1:0
R356	Open	No Hazard.	AVR1:0
R360	Open	No Hazard.	AVR1:0
R361	Open	Normal operation.	AVR1:*
R362	Open	Normal operation.	AVR1:*
R363	Open	F101 opened, No hazard.	AVR1:0
R364	Open	Normal operation.	AVR1:*
R365	Open	No Hazard.	AVR1:0
R371	Open	No Hazard.	AVR1:0
R372	Open	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R373	Open	Normal operation.	AVR1:**
R374	Open	No Hazard.	AVR1:0
R390	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:**
R405	Open	Normal operation.	AVR1:**
R406	Open	Normal operation.	AVR1:**
R407	Open	Normal operation.	AVR1:**
R409	Open	No Hazard.	AVR1:0
R410	Open	No Hazard.	AVR1:0
R411	Open	No Hazard.	AVR1:0
R412	Open	No Hazard.	AVR1:0
R413	Open	Normal operation.	AVR1:**
R414	Open	Normal operation.	AVR1:**
R415	Open	No Hazard.	AVR1:0
R416	Open	Normal operation.	AVR1:**
R418	Open	No Hazard.	AVR1:0
R419	Open	No Hazard.	AVR1:0
R420	Open	No Hazard.	AVR1:0
R421	Open	Normal operation.	AVR1:**
R422	Open	Normal operation.	AVR1:**
R423	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R425	Open	Normal operation.	AVR1:**
R520	Open	Normal operation.	AVR1:**
R521	Open	Normal operation.	AVR1:**
R522	Open	Normal operation.	AVR1:**
R523	Open	Normal operation.	AVR1:**
R524 (Only -12, -24, -5)	Open	Normal operation.	AVR1:**
R525 (Only -12, -24, -5)	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 (Only -24, -36, -48)	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R543 (Only -24, -36, -48)	Open	Normal operation.	AVR1:**
R544 (Only -24, -36, -48)	Open	Normal operation.	AVR1:**
R545 (Only -24, -36, -48)	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 (Only -5)	Open	Normal operation.	AVR1:**
R569 (Only -5)	Open	Normal operation.	AVR1:**
R590	Open	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R591	Open	Normal operation.	AVR1:*
R592	Open	Normal operation.	AVR1:*
R593	Open	No Hazard.	AVR1:0
R594	Open	No Hazard.	AVR1:0
R595	Open	Normal operation.	AVR1:*
R596 (Only -48)	Open	Normal operation.	AVR1:*
R611	Open	Normal operation.	AVR1:*
R615	Open	Normal operation.	AVR1:*
R616	Open	Normal operation.	AVR1:*
R617	Open	Output voltage decreased. No hazard.	AVR1:decreased
R618	Open	Output voltage decreased. No hazard.	AVR1:decreased
R620	Open	Output voltage decreased. No hazard.	AVR1:decreased
R621	Open	No Hazard.	AVR1:0
R622	Open	No Hazard.	AVR1:0
R623	Open	Normal operation.	AVR1:*
R624	Open	No Hazard.	AVR1:0
R625	Open	No Hazard.	AVR1:0
R626	Open	Output voltage decreased. No hazard.	AVR1:decreased
R627	Open	Output voltage decreased. No hazard.	AVR1:decreased
R628	Open	No Hazard.	AVR1:0
R629	Open	Normal operation.	AVR1:*
R630 (Only -36)	Open	Normal operation.	AVR1:*
R631	Open	Normal operation.	AVR1:*
R632	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R634	Open	Normal operation.	AVR1:**
R635	Open	No Hazard.	AVR1:0
R636	Open	No Hazard.	AVR1:0
R637	Open	No Hazard.	AVR1:0
R638	Open	No Hazard.	AVR1:0
R639	Open	No Hazard.	AVR1:0
R640	Open	Output voltage decreased. No hazard.	AVR1:decreased
R641	Open	No Hazard.	AVR1:0
R642	Open	Output voltage decreased. No hazard.	AVR1:decreased
R654	Open	No Hazard.	AVR1:0
R655	Open	No Hazard.	AVR1:0
R656	Open	Output voltage decreased. No hazard.	AVR1:decreased
R657	Open	Normal operation.	AVR1:**
R661	Open	No Hazard.	AVR1:0
R662	Open	No Hazard.	AVR1:0
R665	Open	Normal operation.	AVR1:**
R673	Open	Normal operation.	AVR1:**
R701	Open	Normal operation.	AVR1:**
R702	Open	Normal operation.	AVR1:**
R708	Open	Normal operation.	AVR1:**
R709	Open	Normal operation.	AVR1:**
R710	Open	Normal operation.	AVR1:**
R711	Open	Normal operation.	AVR1:**
R714	Open	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
R715	Open		Normal operation.	AVR1:**
R716	Open		Normal operation.	AVR1:**
R717	Open		Normal operation.	AVR1:**
R722	Open		Normal operation.	AVR1:**
R723	Open		Normal operation.	AVR1:**
R724	Open		Normal operation.	AVR1:**
SK101	Open		Normal operation.	AVR1:**
	Short		F101 opened, No hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		See page 37.	
SS501	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS502	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0
T302	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:**
		8	Normal operation.	AVR1:**
		11	Normal operation.	AVR1:**
		12	Normal operation.	AVR1:**
	Short	7-8	Normal operation.	AVR1:**
		11-12	Normal operation.	AVR1:**
T303	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
T303	Open	3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
T401	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	See page 37.	
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	See page 37.	
		S-G	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Short	G-D	See page 37.	
TR301	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	See page 37.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 37.	
TR306	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
TR307	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR310	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



F M E A

Component	Mode		Comment	Output Voltage (V)
TR310	Short	B-C	Normal operation.	AVR1:*
TR312	Open	C	No Hazard.	AVR1:0
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR313	Open	S (1)	F101 opened, No hazard.	AVR1:0
		G (2)	F101 opened, No hazard.	AVR1:0
		D (3)	No Hazard.	AVR1:0
		S (4)	No Hazard.	AVR1:0
		G (5)	F101 opened, No hazard.	AVR1:0
		D (6)	F101 opened, No hazard.	AVR1:0
	Short	S-G (1-2)	F101 opened, No hazard.	AVR1:0
		G-D (2-3)	F101 opened, No hazard.	AVR1:0
		D-S (3-4)	F101 opened, No hazard.	AVR1:0
		S-G (4-5)	F101 opened, No hazard.	AVR1:0
		G-D (5-6)	F101 opened, No hazard.	AVR1:0
TR314	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	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
TR322	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:**
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	AVR1:**
TR603	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:**
TR604	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	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	Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
TR702	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	Normal operation.	AVR1:**
TR703	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:**
VR601	Open	brush	Output voltage increased. No hazard.	AVR1:Increased(130%)
			No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:Decreased(70%)
ZD301	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0
ZD501 (Only -24, -36, -48)	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0
ZD502 (Only -24, -36, -48)	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C109	Open		No Hazard.	AVR1:0
C117	Short		F101 opened, No hazard.	AVR1:0
IC401	Short	4-5	F101 opened, No hazard.	AVR1:0
		10-11	No Hazard.	AVR1:0
SS101	Short		F101 opened, No hazard.	AVR1:0
T302	Short	9-10	No Hazard.	AVR1:0
T401	Short	1-2	No Hazard.	AVR1:0
TR101	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR301	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0