

## ABNORMAL TEST RESULT

## OF MODEL LHP300F

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 : 2/27 ~ 24/27)

( Abnormal Test Result: 25/27 ~ 27/27)

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
C110	Open	See page 25.	
	Short	F101 opened, No hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C115	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C117	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C121	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C122	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C124	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C125	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C128	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C131	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C132	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C141	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C142	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C151	Open	See page 25.	
	Short	Normal operation.	AVR1:*
C152	Open	See page 25.	
	Short	Normal operation.	AVR1:*
C153	Open	Normal operation.	AVR1:*
	Short	See page 25.	
C154	Open	Normal operation.	AVR1:*
	Short	See page 25.	
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C209	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C212	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C213	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C214	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C215	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C216	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C217	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C302	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C304	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C305	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C307	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C308	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C309	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C310	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C311	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C312	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C314	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C315	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C316	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C322	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C323	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C325	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C326	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C327	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C341	Open	No Hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
C402	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C403	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C405	Open	See page 25.	
	Short	See page 25.	
C406	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C407	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C502	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C504	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C551	Open	Normal operation.	AVR1:*
	Short	See page 25.	
C581	Open	See page 25.	
	Short	See page 25.	
C603 (Only -24, -30)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C604	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C605	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C607	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C608	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D101	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D112	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D140	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D151	Open	See page 25.	
	Short	See page 25.	



F M E A

Component	Mode		Comment	Output Voltage (V)
D152	Open		See page 25.	
	Short		See page 25.	
D202	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D204	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D301	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D302	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
D307	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D401	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D402	Open		No Hazard.	AVR1:0
	Short		See page 25.	
D403	Open		See page 25.	
	Short		See page 25.	
D601 (Only -24, -30)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D602 (Only -24, -30)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	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
		10	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	F101 opened, No hazard.	AVR1:0
IC201	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	No Hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
		12	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	No Hazard.	AVR1:0
		20	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
		11-12	Normal operation.	AVR1:*
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	No Hazard.	AVR1:0
17-18	Normal operation.	AVR1:*		
18-19	Normal operation.	AVR1:*		
19-20	Normal operation.	AVR1:*		
IC202	Open	1	Normal operation.	AVR1:*



F M E A

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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	7-8	No Hazard.	AVR1:0
		9-10	Output voltage decreased.No hazard.	AVR1:decrease
		10-11	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	No Hazard.	AVR1:0
IC401	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
IC501	Open	1	Output voltage decreased.No hazard.	AVR1:decreased
		2	See page 25.	
		3	See page 25.	
		4	See page 25.	
		5	See page 25.	
		6	See page 25.	
		7	See page 25.	
		8	Output voltage decreased.No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	See page 25.	
		3-4	See page 26.	
		4-5	See page 26.	
		5-6	See page 26.	
		6-7	No Hazard.	AVR1:0
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC601	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	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	F101 opened, No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L102	Open	No Hazard.	AVR1:0	
	Short	Normal operation.	AVR1:*	



F M E A

Component	Mode		Comment	Output Voltage (V)
L103	Open	2	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	2-6	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
L111	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L401	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L511	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
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
PC302	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R104	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R105	Open	Normal operation.	AVR1:*
R110	Open	Normal operation.	AVR1:*
R111	Open	No Hazard.	AVR1:*
R112	Open	No Hazard.	AVR1:*
R113	Open	Normal operation.	AVR1:*
R114	Open	No Hazard.	AVR1:0
R115	Open	Normal operation.	AVR1:*
R116	Open	Normal operation.	AVR1:*
R118	Open	Normal operation.	AVR1:*
R120	Open	Normal operation.	AVR1:*
R121	Open	No Hazard.	AVR1:0
R123	Open	Normal operation.	AVR1:*
R125	Open	Normal operation.	AVR1:*
R129	Open	No Hazard.	AVR1:0
R130	Open	No Hazard.	AVR1:0
R131	Open	No Hazard.	AVR1:0
R140	Open	Normal operation.	AVR1:*
R141	Open	No Hazard.	AVR1:0
R142	Open	No Hazard.	AVR1:0
R143	Open	No Hazard.	AVR1:0
R144	Open	No Hazard.	AVR1:0
R152	Open	See page 26.	
R157	Open	See page 26.	
R158	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R201	Open	No Hazard.	AVR1:0
R202	Open	No Hazard.	AVR1:0
R203	Open	No Hazard.	AVR1:0
R204	Open	No Hazard.	AVR1:0
R205	Open	No Hazard.	AVR1:0
R206	Open	No Hazard.	AVR1:0
R207	Open	No Hazard.	AVR1:0
R208	Open	No Hazard.	AVR1:0
R210	Open	Normal operation.	AVR1:*
R211	Open	Normal operation.	AVR1:*
R212	Open	No Hazard.	AVR1:0
R213	Open	No Hazard.	AVR1:0
R214	Open	No Hazard.	AVR1:0
R222	Open	No Hazard.	AVR1:0
R223	Open	Normal operation.	AVR1:*
R225	Open	Normal operation.	AVR1:*
R226	Open	Normal operation.	AVR1:*
R227	Open	Normal operation.	AVR1:*
R228	Open	No Hazard.	AVR1:0
R229	Open	No Hazard.	AVR1:0
R230	Open	Normal operation.	AVR1:*
R231	Open	Normal operation.	AVR1:*
R232	Open	Normal operation.	AVR1:*
R233	Open	No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R234	Open	Normal operation.	AVR1:*
R235	Open	Normal operation.	AVR1:*
R236	Open	Normal operation.	AVR1:*
R301	Open	No Hazard.	AVR1:0
R302	Open	No Hazard.	AVR1:0
R303	Open	Normal operation.	AVR1:*
R305	Open	Normal operation.	AVR1:*
R306	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R308	Open	Normal operation.	AVR1:*
R309	Open	Normal operation.	AVR1:*
R310	Open	No Hazard.	AVR1:0
R311	Open	No Hazard.	AVR1:0
R312	Open	Normal operation.	AVR1:*
R313	Open	No Hazard.	AVR1:0
R314	Open	Normal operation.	AVR1:*
R316	Open	No Hazard.	AVR1:0
R317	Open	Normal operation.	AVR1:*
R318	Open	No Hazard.	AVR1:0
R320	Open	Normal operation.	AVR1:*
R321	Open	No Hazard.	AVR1:0
R323	Open	Normal operation.	AVR1:*
R324	Open	Normal operation.	AVR1:*
R325	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R326	Open	No Hazard.	AVR1:0
R327	Open	Normal operation.	AVR1:*
R328	Open	Normal operation.	AVR1:*
R331	Open	No Hazard.	AVR1:0
R401	Open	No Hazard.	AVR1:0
R403	Open	See page 26.	
R404	Open	No Hazard.	AVR1:0
R405	Open	No Hazard.	AVR1:0
R507	Open	Normal operation.	AVR1:*
R508	Open	Normal operation.	AVR1:*
R509	Open	Normal operation.	AVR1:*
R510	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:*
R522	Open	Normal operation.	AVR1:*
R523	Open	Normal operation.	AVR1:*
R551 (Only -42, -48)	Open	Normal operation.	AVR1:*
R554	Open	See page 26.	
R556 (Only -42, -48)	Open	Normal operation.	AVR1:*
R558	Open	See page 26.	
R559 (Only -24)	Open	See page 26.	



F M E A

Component	Mode	Comment	Output Voltage (V)
R560 (Except:24)	Open	See page 26.	
R561	Open	See page 26.	
R563	Open	Normal operation.	AVR1:*
R564	Open	See page 26.	
R571	Open	See page 26.	
R573	Open	Normal operation.	AVR1:*
R574	Open	See page 26.	
R581	Open	See page 26.	
R601	Open	No Hazard.	AVR1:0
R602	Open	No Hazard.	AVR1:0
R603	Open	No Hazard.	AVR1:0
R606 (Only -24, -30)	Open	Normal operation.	AVR1:*
R607 (Only -24, -30)	Open	Normal operation.	AVR1:*
R608	Open	No Hazard.	AVR1:0
R609	Open	Normal operation.	AVR1:*
R610	Open	Normal operation.	AVR1:*
R611	Open	Output voltage decreased. No hazard.	AVR1:decreased
R612	Open	No Hazard.	AVR1:0
R613 (Only -24)	Open	No Hazard.	AVR1:0
R615	Open	Output voltage decreased. No hazard.	AVR1:decreased
SCR101	Open	A	See page 26.
		K	See page 26.
		G	See page 26.
	Short	A-K	Normal operation.



F M E A

Component	Mode		Comment	Output Voltage (V)
SCR101	Short	A-G	Normal operation.	AVR1:*
		K-G	See page 26.	
SK101	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
T301	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		7	See page 26.	
		8	See page 26.	
		9	See page 26.	
		10	See page 26.	
	Short	1-2	No Hazard.	AVR1:0
		2-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
		9-10	Normal operation.	AVR1:*
TH101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 27.	
		S-G	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Short	G-D	See page 27.	
TR201	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	Normal operation.	AVR1:*
TR202	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR301	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 27.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 27.	
TR302	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 27.	
		S-G	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR302	Short	G-D	See page 27.	
TR303	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:*
TR304	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR501	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	See page 27.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See page 27.	
		G-D	No Hazard.	AVR1:0
TR502	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	See page 27.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See page 27.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR502	Short	G-D	No Hazard.	AVR1:0
TR551 (Except:24)	Open	C	See page 27.	
		E	See page 27.	
		B	See page 27.	
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
VR601	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
ZD101	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD301	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD302	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD303	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD521	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD522	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD551 (Except:24)	Open		Normal operation.	AVR1:*
	Short		See page 27.	



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD601 (Except:24)	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)	
C110	Open	Normal operation.	AVR1:*	
C151	Open	Normal operation.	AVR1:*	
C152	Open	Normal operation.	AVR1:*	
C153	Short	Normal operation.	AVR1:*	
C154	Short	Normal operation.	AVR1:*	
C405	Open	Normal operation.	AVR1:*	
	Short	No Hazard.	AVR1:0	
C551	Short	Normal operation.	AVR1:*	
C581	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
D151	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
D152	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
D402	Short	No Hazard.	AVR1:0	
D403	Open	No Hazard.	AVR1:0	
	Short	No Hazard.	AVR1:0	
IC501	Open	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	2-3	Normal operation.



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
IC501	Short	3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
R152	Open		Normal operation.	AVR1:*
R157	Open		Normal operation.	AVR1:*
R403	Open		No Hazard.	AVR1:0
R554	Open		Normal operation.	AVR1:*
R558	Open		Normal operation.	AVR1:*
R559	Open		Normal operation.	AVR1:*
R560	Open		Normal operation.	AVR1:*
R561	Open		Output voltage decreased. No hazard.	AVR1:decreased
R564	Open		Output voltage decreased. No hazard.	AVR1:decreased
R571	Open		Output voltage decreased. No hazard.	AVR1:decreased
R574	Open		Output voltage decreased. No hazard.	AVR1:decreased
R581	Open		Normal operation.	AVR1:*
SCR101	Open	A	Normal operation.	AVR1:*
		K	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	K-G	Normal operation.	AVR1:*
T301	Open	7	Output voltage decreased. No hazard.	AVR1:decreased
		8	Output voltage decreased. No hazard.	AVR1:decreased
		9	Output voltage decreased. No hazard.	AVR1:decreased
		10	Output voltage decreased. No hazard.	AVR1:decreased
TR101	Short	D-S	F101 opened, No hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR101	Short	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
TR302	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR501	Open	G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	S-G	Output voltage decreased. No hazard.	AVR1:decreased
TR502	Open	G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	S-G	Output voltage decreased. No hazard.	AVR1:decreased
TR551	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
ZD551	Short		Normal operation.	AVR1:*