

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:*

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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

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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

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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:*

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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:*

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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:*



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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.	

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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.	AVR1:*

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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

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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.	AVR1:*

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:*