

ABNORMAL TEST RESULT

OF MODEL LHA100F

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 : 2/24 ~ 21/24)

(Abnormal Test Result: 22/24 ~ 24/24)

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
C105	Open	See 22 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C110	Open	Normal operation.	AVR1:*
	Short	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
C114	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C115	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C116	Open	See 22 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C117	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C120	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C121	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C122	Open	See 22 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C124	Open	See 22 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C125	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C126	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C128	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C130	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:*
C201	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C205 (Only -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C206	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C207	Open	Normal operation.	AVR1:*
	Short	See 22 Page.	
C208	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	Normal operation.	AVR1:*
C220	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C221	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C230	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C501	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C502	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C503	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C504	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C505 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C506 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C513	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C514	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C515	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C516	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C517 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C518 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C525	Open	See 22 Page.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C531 (Only -12, -15, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C533	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C534	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C535 (Only -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C536 (Only -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C539 (Only -12, -15, -5)	Open	See 22 Page.	
	Short	See 22 Page.	
C540 (Only -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C606	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C607	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C610 (Except:12, -15)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C613 (Only -48, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C614 (Only -12, -5)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D101	Open	No Hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
D102	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D103	Open	See 22 Page.	
	Short	See 22 Page.	
D104	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D106	Open	See 22 Page.	
	Short	F101 opened, No hazard.	AVR1:0
D107	Open	See 22 Page.	
	Short	See 22 Page.	
D109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D110	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D201	Open	See 22 Page.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
D202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D203	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D204	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D209	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D212	Open	See 22 Page.	
	Short	See 22 Page.	
D230	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D501 (Only -12, -15, -5)	Open	See 22 Page.	
	Short	See 22 Page.	
D601 (Only -12, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D602 (Only -12, -5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
D603 (Only -12, -5)	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
IC101	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC201	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	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	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC501 (Only -12, -15, -5)	Open	1	See 22 Page.	
		2	See 22 Page.	
		3	See 22 Page.	
		4	See 22 Page.	
		5	See 22 Page.	
		6	See 22 Page.	
	Short	1-2	See 23 Page.	
		2-3	Normal operation.	AVR1:*
		4-5	See 23 Page.	
		5-6	See 23 Page.	
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC601	Short	4-5	Output voltage decreased. No hazard.	AVR1:decreased
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	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L102	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
L104	Open	1	See 23 Page.	
		2	See 23 Page.	
		3	See 23 Page.	
		6	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
L201	Open		See 23 Page.	
	Short		See 23 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L502 (Only -12, -15, -5)	Open		See 23 Page.	
	Short		See 23 Page.	
PC201	Open	A, K	Output voltage decreased. No hazard.	AVR1:decreased
		C, E	Output voltage decreased. No hazard.	AVR1:decreased
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		C-E	No Hazard.	AVR1:0
PC202	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:*
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:*

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Component	Mode	Comment	Output Voltage (V)
R115	Open	F101 opened, No hazard.	AVR1:0
R116	Open	Normal operation.	AVR1:*
R117	Open	Normal operation.	AVR1:*
R118	Open	Normal operation.	AVR1:*
R122	Open	No Hazard.	AVR1:0
R123	Open	No Hazard.	AVR1:0
R124	Open	No Hazard.	AVR1:0
R125	Open	No Hazard.	AVR1:0
R126	Open	No Hazard.	AVR1:0
R127	Open	Normal operation.	AVR1:*
R128	Open	Normal operation.	AVR1:*
R129	Open	See 23 Page.	
R130	Open	Normal operation.	AVR1:*
R131	Open	Normal operation.	AVR1:*
R132	Open	Normal operation.	AVR1:*
R133	Open	No Hazard.	AVR1:0
R134	Open	Normal operation.	AVR1:*
R135	Open	Output voltage decreased. No hazard.	AVR1:decreased
R136	Open	Output voltage decreased. No hazard.	AVR1:decreased
R137	Open	No Hazard.	AVR1:0
R140	Open	No Hazard.	AVR1:*
R141	Open	No Hazard.	AVR1:*
R142	Open	No Hazard.	AVR1:*
R143	Open	No Hazard.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R144	Open	No Hazard.	AVR1:*
R145	Open	Normal operation.	AVR1:*
R146	Open	No Hazard.	AVR1:*
R147	Open	No Hazard.	AVR1:*
R148	Open	No Hazard.	AVR1:*
R149	Open	Normal operation.	AVR1:*
R150	Open	Normal operation.	AVR1:*
R151	Open	Normal operation.	AVR1:*
R152	Open	Normal operation.	AVR1:*
R153	Open	Normal operation.	AVR1:*
R154	Open	Normal operation.	AVR1:*
R155	Open	Normal operation.	AVR1:*
R156	Open	Normal operation.	AVR1:*
R157	Open	Normal operation.	AVR1:*
R158	Open	Normal operation.	AVR1:*
R159	Open	Normal operation.	AVR1:*
R201	Open	Normal operation.	AVR1:*
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R205	Open	Normal operation.	AVR1:*
R206	Open	No Hazard.	AVR1:0
R207	Open	No Hazard.	AVR1:0
R208	Open	Normal operation.	AVR1:*
R213	Open	See 23 Page.	

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Component	Mode	Comment	Output Voltage (V)
R214	Open	No Hazard.	AVR1:0
R215	Open	Normal operation.	AVR1:*
R216	Open	No Hazard.	AVR1:0
R218	Open	Normal operation.	AVR1:*
R220	Open	Output voltage decreased. No hazard.	AVR1:decreased
R221	Open	Output voltage decreased. No hazard.	AVR1:decreased
R224	Open	Normal operation.	AVR1:*
R225	Open	Normal operation.	AVR1:*
R230	Open	Normal operation.	AVR1:*
R231	Open	Normal operation.	AVR1:*
R233	Open	Normal operation.	AVR1:*
R242	Open	Normal operation.	AVR1:*
R243	Open	Normal operation.	AVR1:*
R252	Open	Normal operation.	AVR1:*
R253	Open	Normal operation.	AVR1:*
R254	Open	Normal operation.	AVR1:*
R255	Open	Normal operation.	AVR1:*
R503	Open	Normal operation.	AVR1:*
R504	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R520	Open	Normal operation.	AVR1:*
R521 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R531 (Only -12, -15, -5)	Open	See 23 Page.	

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Component	Mode	Comment	Output Voltage (V)
R532 (Only -12, -15, -5)	Open	See 23 Page.	
R533 (Only -12, -15, -5)	Open	See 23 Page.	
R534 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
R536 (Only -12, -15, -5)	Open	See 23 Page.	
R537 (Only -12, -15, -5)	Open	See 23 Page.	
R538 (Only -12, -15, -5)	Open	See 23 Page.	
R539 (Only -12, -15, -5)	Open	See 23 Page.	
R540 (Only -12, -15, -5)	Open	See 23 Page.	
R541 (Only -12, -15, -5)	Open	See 23 Page.	
R542 (Only -12, -15, -5)	Open	See 23 Page.	
R601	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604 (Only -12, -15, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R605 (Only -24, -36, -48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R606	Open	Output voltage decreased. No hazard.	AVR1:decreased
R607 (Except -36, -48)	Open	No Hazard.	AVR1:0
R608	Open	No Hazard.	AVR1:0
R609	Open	No Hazard.	AVR1:0
R610	Open	No Hazard.	AVR1:0
R614	Open	No Hazard.	AVR1:0
R615 (Except:12, -15)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R617 (Only -12, -5)	Open	Normal operation.	AVR1:*
R618 (Only -12, -5)	Open	Normal operation.	AVR1:*
R619	Open	No Hazard.	AVR1:0
SS101	Open	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
SS101	Short		See 23 Page.	
SS501 (Only -24, -36, -48)	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T201	Open	1	See 23 Page.	
		2	See 24 Page.	
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	See 24 Page.	
		6	See 24 Page.	
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
	Short	1-2	F101 opened, No hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0
		5-6	F101 opened, No hazard.	AVR1:0
		6-7	See 24 Page.	
		8-9	F101 opened, 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 24 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR101	Short	S-G	No Hazard.	AVR1:0
		G-D	See 24 Page.	
TR102	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
TR103	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:*
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	See 24 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 24 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	See 24 Page.	
TR203	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR204	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:*
		B-C(2-3)	Normal operation.	AVR1:*
		E-B(4-5)	Normal operation.	AVR1:*
		B-C(5-6)	No Hazard.	AVR1:0
TR205	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR205	Open	G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR206	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 (Only -12, -15, -5)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See 24 Page.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	See 24 Page.	
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR502 (Only -12, -15, -5)	Open	D	See 24 Page.	
		S	See 24 Page.	
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR503 (Only -12, -15, -5)	Open	C	See 24 Page.	
		E	See 24 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR503 (Only -12, -15, -5)	Open	B	See 24 Page.	
	Short	C-E	Normal operation.	AVR1:*
		E-B	See 24 Page.	
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
ZD101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD102	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD501 (Only -12, -15, -5)	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD520 (Only -24, -36, -48)	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD521	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD601 (Only -36, -48)	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C105	Open		Normal operation.	AVR1:*
C116	Open		Normal operation.	AVR1:*
C122	Open		Normal operation.	AVR1:*
C124	Open		Normal operation.	AVR1:*
C207	Short		F101 opned. No hazard.	AVR1:0
C525	Open		Output voltage decreased. No hazard.	AVR1:decreased
C539	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D103	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D106	Open		Normal operation.	AVR1:*
D107	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	AVR1:*
D201	Open		No Hazard.	AVR1:0
D212	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D501	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC501	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:*

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
IC501	Short	1-2	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
L104	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
L201	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L502	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
R129	Open		Output voltage decreased. No hazard.	AVR1:decreased
R213	Open		F101 opned. No hazard.	AVR1:0
R531	Open		Normal operation.	AVR1:*
R532	Open		Normal operation.	AVR1:*
R533	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		No Hazard.	AVR1:0
R541	Open		Normal operation.	AVR1:*
R542	Open		Normal operation.	AVR1:*
SS101	Short		F101 opned. No hazard.	AVR1:0
T201	Open	1	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
T201	Open	2	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
	Short	6-7	No Hazard.	AVR1:0
TR101	Short	D-S	F101 opned. No hazard.	AVR1:0
		G-D	F101 opned. No hazard.	AVR1:0
TR201	Short	D-S	F101 opned. No hazard.	AVR1:0
		G-D	F101 opned. No hazard.	AVR1:0
TR202	Short	G-D	No Hazard.	AVR1:0
TR501	Open	G	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*
TR502	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
TR503	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	E-B	Normal operation.	AVR1:*