

## ABNORMAL TEST RESULT

## OF MODEL LHA150F

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 : 2/26 ~ 24/26)

( Abnormal Test Result: 25/26 ~ 26/26)

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
C107	Open	See 25 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C118	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C119	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C120	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C121	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C122	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C127	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C128	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C135	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C136	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C137	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C138	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C139	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C203	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)
C205	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
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
C211	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C212	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C213	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C215	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C216	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C217	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C218	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C219	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C220	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C221	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C222	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C224	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C225	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C226	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C227	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C228	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C229	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C230 (Only -12)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased

## F M E A

Component	Mode	Comment	Output Voltage (V)
C231	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C232	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C236	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C237	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C238	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C240	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C241	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C242	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C246	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C247	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C248	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C249	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C507	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C511	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C512	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, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C518 (Only -12, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C519 (Only -12, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C520 (Only -12, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C521 (Only -12, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C522 (Only -12, -36)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601 (Only -12)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C602	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C605	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C606	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C607 (Only -12)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C608 (Only -12, -24)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D102	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D103	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D104	Open	See 25 Page.	
	Short	Normal operation.	AVR1:*
D107	Open	No Hazard.	AVR1:0
	Short	See 25 Page.	
D108	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



## F M E A

Component	Mode	Comment	Output Voltage (V)
D109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D110	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D201	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D202	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D204	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D205	Open	No Hazard.	AVR1:0
	Short	See 25 Page.	
D211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D212	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D214	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D215	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D601 (Only -12, -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D602 (Only -12, -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
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	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		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	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

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	12	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
	Short	3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		9-10	Output voltage decreased. No hazard.	AVR1:decreased
		10-11	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	No Hazard.	AVR1:0
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

## F M E A

Component	Mode		Comment	Output Voltage (V)
L101	Open	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:*
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	F101 opened, No hazard.	AVR1:0
		9-10	F101 opened, No hazard.	AVR1:0
L110	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L111	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L501	Open		See 25 Page.	
	Short		Normal operation.	AVR1:*
L510	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L511	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Open	C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		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:*
R111	Open		No Hazard.	AVR1:0
R112	Open		No Hazard.	AVR1:0
R113	Open		No Hazard.	AVR1:0
R114	Open		No Hazard.	AVR1:0
R115	Open		No Hazard.	AVR1:0
R116	Open		No Hazard.	AVR1:0
R118	Open		Normal operation.	AVR1:*
R120	Open		See 25 Page.	
R121	Open		See 25 Page.	
R122	Open		No Hazard.	AVR1:0
R125	Open		Normal operation.	AVR1:*
R126	Open		Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R127	Open	Normal operation.	AVR1:*
R128	Open	Normal operation.	AVR1:*
R129	Open	Normal operation.	AVR1:*
R130	Open	Normal operation.	AVR1:*
R131	Open	Normal operation.	AVR1:*
R132	Open	Normal operation.	AVR1:*
R133	Open	Normal operation.	AVR1:*
R134	Open	Normal operation.	AVR1:*
R135	Open	Normal operation.	AVR1:*
R136	Open	Normal operation.	AVR1:*
R143	Open	Normal operation.	AVR1:*
R144	Open	No Hazard.	AVR1:0
R145	Open	Normal operation.	AVR1:*
R146	Open	Normal operation.	AVR1:*
R147	Open	Normal operation.	AVR1:*
R148	Open	See 25 Page.	
R151	Open	No Hazard.	AVR1:0
R152	Open	No Hazard.	AVR1:0
R153	Open	No Hazard.	AVR1:0
R154	Open	No Hazard.	AVR1:0
R155	Open	No Hazard.	AVR1:0
R156	Open	No Hazard.	AVR1:0
R159	Open	Normal operation.	AVR1:*
R160	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R161	Open	Normal operation.	AVR1:*
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*
R201	Open	No Hazard.	AVR1:0
R203	Open	No Hazard.	AVR1:0
R204	Open	Normal operation.	AVR1:*
R205	Open	Normal operation.	AVR1:*
R206	Open	Normal operation.	AVR1:*
R207	Open	Normal operation.	AVR1:*
R208	Open	Normal operation.	AVR1:*
R210	Open	Normal operation.	AVR1:*
R211	Open	No Hazard.	AVR1:0
R212	Open	Normal operation.	AVR1:*
R215	Open	Normal operation.	AVR1:*
R216	Open	Normal operation.	AVR1:*
R217	Open	Normal operation.	AVR1:*
R218	Open	Normal operation.	AVR1:*
R222	Open	No Hazard.	AVR1:0
R223	Open	No Hazard.	AVR1:0
R224	Open	Normal operation.	AVR1:*
R225	Open	No Hazard.	AVR1:0
R226	Open	No Hazard.	AVR1:0
R227	Open	No Hazard.	AVR1:0
R228	Open	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
R229	Open	Normal operation.	AVR1:*
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	No Hazard.	AVR1:0
R236	Open	No Hazard.	AVR1:0
R237	Open	No Hazard.	AVR1:0
R238	Open	Normal operation.	AVR1:*
R240	Open	No Hazard.	AVR1:0
R241	Open	Normal operation.	AVR1:*
R242	Open	No Hazard.	AVR1:0
R244	Open	Normal operation.	AVR1:*
R245	Open	No Hazard.	AVR1:0
R247	Open	Normal operation.	AVR1:*
R251	Open	Normal operation.	AVR1:*
R252	Open	Normal operation.	AVR1:*
R253	Open	Normal operation.	AVR1:*
R254	Open	Normal operation.	AVR1:*
R255	Open	Output voltage decreased. No hazard.	AVR1:decreased
R257	Open	Output voltage decreased. No hazard.	AVR1:decreased
R258	Open	Normal operation.	AVR1:*
R260	Open	Normal operation.	AVR1:*
R261	Open	Normal operation.	AVR1:*



## F M E A

Component	Mode	Comment	Output Voltage (V)
R262	Open	Normal operation.	AVR1:*
R264	Open	No Hazard.	AVR1:0
R265	Open	Normal operation.	AVR1:*
R266	Open	Normal operation.	AVR1:*
R267	Open	Normal operation.	AVR1:*
R268	Open	Normal operation.	AVR1:*
R269	Open	No Hazard.	AVR1:0
R270	Open	Normal operation.	AVR1:*
R271	Open	Normal operation.	AVR1:*
R272	Open	No Hazard.	AVR1:0
R273	Open	No Hazard.	AVR1:0
R274	Open	No Hazard.	AVR1:0
R275	Open	No Hazard.	AVR1:0
R276	Open	No Hazard.	AVR1:0
R277	Open	Normal operation.	AVR1:*
R278	Open	Normal operation.	AVR1:*
R279	Open	Normal operation.	AVR1:*
R281	Open	Normal operation.	AVR1:*
R514	Open	Normal operation.	AVR1:*
R515	Open	Normal operation.	AVR1:*
R516	Open	Normal operation.	AVR1:*
R517	Open	Normal operation.	AVR1:*
R520 (Only -12)	Open	Normal operation.	AVR1:*
R521 (Only -12, -24)	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R523	Open	Normal operation.	AVR1:*
R526	Open	Normal operation.	AVR1:*
R527 (Only -12)	Open	Normal operation.	AVR1:*
R528	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	Normal operation.	AVR1:*
R603 (Only -12)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604	Open	No Hazard.	AVR1:0
R605 (Only -12, -24)	Open	No Hazard.	AVR1:0
R606	Open	Output voltage decreased. No hazard.	AVR1:decreased
R607 (Only -12, -24)	Open	Normal operation.	AVR1:*
R608 (Only -12, -24)	Open	Normal operation.	AVR1:*
R609	Open	No Hazard.	AVR1:0
R610	Open	No Hazard.	AVR1:0
R611	Open	Output voltage decreased. No hazard.	AVR1:decreased
R612	Open	Output voltage decreased. No hazard.	AVR1:decreased
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
SS501 (Only -12)	Open	See 25 Page.	
	Short	No Hazard.	AVR1:0
SS502	Open	See 25 Page.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
SS503	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
SS504 (Only -12)	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
T201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	See 25 Page.	
		6	See 25 Page.	
		7	See 25 Page.	
		8	See 25 Page.	
	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	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	No Hazard.	AVR1:0
	Short	D-S	See 25 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Short	S-G	No Hazard.	AVR1:0
		G-D	See 25 Page.	
TR103	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR104	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	See 25 Page.	
		2 (4)	See 25 Page.	
		2 (5)	See 25 Page.	
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	See 25 Page.	
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	See 25 Page.	
		2-1 (5-6)	Normal operation.	AVR1:*
TR201	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	See 25 Page.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR203	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:*
TR204	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR207	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
TR208	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR208	Open	G	No Hazard.	AVR1:0
	Short	D-S	See 26 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 26 Page.	
TR209	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See 26 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 26 Page.	
TR211	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)	No Hazard.	AVR1:0
		2-2 (4-5)	Normal operation.	AVR1:*
		2-1 (5-6)	No Hazard.	AVR1:0
TR212	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR212	Open	2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*
		2-1 (5-6)	Normal operation.	AVR1:*
TR213	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:*
ZD101	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD201	Open		See 26 Page.	
	Short		No Hazard.	AVR1:0
ZD202	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD502 (Except -12)	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)
C107	Open		Normal operation.	AVR1:*
D104	Open		Normal operation.	AVR1:*
D107	Short		No hazard.	AVR1:0
D205	Short		F101 opened.No hazard.	AVR1:0
L501	Open		No hazard.	AVR1:0
R120	Open		No hazard.	AVR1:0
R121	Open		Normal operation.	AVR1:*
R148	Open		Normal operation.	AVR1:*
SS501	Open		Normal operation.	AVR1:*
SS502	Open		Normal operation.	AVR1:*
SS503	Open		Normal operation.	AVR1:*
SS504	Open		Normal operation.	AVR1:*
T201	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
TR101	Short	D-S	F101 opened.No hazard.	AVR1:0
		G-D	F101 opened.No hazard.	AVR1:0
TR104	Open	2(3)	Normal operation.	AVR1:*
		2(4)	Normal operation.	AVR1:*
		2(5)	Normal operation.	AVR1:*
	Short	1-1(1-2)	Normal operation.	AVR1:*
		2-2(4-5)	Normal operation.	AVR1:*
TR201	Short	C-E	Normal operation.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR208	Short	D-S	F101 opened. No hazard.	AVR1:0
		G-D	F101 opened. No hazard.	AVR1:0
TR209	Short	D-S	F101 opened. No hazard.	AVR1:0
		G-D	F101 opened. No hazard.	AVR1:0
ZD201	Open		Normal operation.	AVR1:*