

## ABNORMAL TEST RESULT

OF MODEL CHS38048

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.	
	Short	External fuse opened.No hazard.	AVR1:0
C102	Open	Normal operation.	
	Short	External fuse opened.No hazard.	AVR1:0
C103	Open	Normal operation.	
	Short	External fuse opened.No hazard.	AVR1:0
C104	Open	Normal operation.	
	Short	External fuse opened.No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	External fuse opened.No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	Normal operation.	
C107	Open	Normal operation.	
	Short	Normal operation.	
C108	Open	Normal operation.	
	Short	External fuse opened.No hazard.	AVR1:0
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C131	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C132	Open	Normal operation.	
	Short	No hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
C161	Open	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C162	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C201	Open	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C202	Open	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C205	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C211	Open	Normal operation.	
	Short	Normal operation.	
C221	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C301	Open	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C303	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C311	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C312	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C313	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C314	Open	No hazard.	AVR1:decreased or increased
	Short	No hazard.	AVR1:0
C351	Open	Normal operation.	
	Short	Normal operation.	
C352	Open	Normal operation.	
	Short	Normal operation.	
C353	Open	Normal operation.	
	Short	Normal operation.	
C354	Open	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Normal operation.	
C360	Open	Normal operation.	
	Short	Normal operation.	
C365	Open	Normal operation.	
	Short	Normal operation.	
C372	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C401	Open	Normal operation.	
	Short	No hazard.	AVR1:0
C501	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C502	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C503	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C504	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C521	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C522	Open	Normal operation.	
	Short	Normal operation.	
C531	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C532	Open	Normal operation.	
	Short	Normal operation.	
C550	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C601	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C602	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C603	Open	Normal operation.	
	Short	Normal operation.	
C703	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C711	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C712	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C713	Open	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C714	Open	No hazard.	AVR1:decreased or increased
	Short	No hazard.	AVR1:decreased or increased
C715	Open	No hazard.	AVR1:decreased or increased
	Short	No hazard.	AVR1:decreased or increased
C716	Open	Normal operation.	
C721	Open	No hazard.	AVR1:decreased or increased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C801	Open	Normal operation.	
	Short	Normal operation.	
C802	Open	Normal operation.	
	Short	Normal operation.	
C851	Open	Normal operation.	
	Short	Normal operation.	
C861	Open	Normal operation.	
	Short	Normal operation.	
D101	Open	Normal operation.	
	Short	Normal operation.	
D131	Open	Normal operation.	
	Short	Normal operation.	
D161	Open	See 22 Page.	
	Short	No hazard.	AVR1:0
D162	Open	Output voltage decreased.No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
D162	Short		See 22 Page.	
D301	Open		Output voltage decreased.No hazard.	AVR1:decreased
	Short		Output voltage decreased.No hazard.	AVR1:decreased
D311	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased
D352	Open		Output voltage decreased.No hazard.	AVR1:decreased
	Short		Normal operation.	
D521	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased
D531	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased
D801	Open		Normal operation.	
	Short		Normal operation.	
D802	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased
IC101	Open	1	No hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	No hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Output voltage decreased. No hazard.	AVR1:decreased
		8	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	No hazard.	AVR1:0
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	Output voltage decreased. No hazard.	AVR1:decreased
		6-7	Output voltage decreased. No hazard.	AVR1:decreased
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC202	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Output voltage decreased. No hazard.	AVR1:decreased
		8	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	No hazard.	AVR1:0
		2-3	Output voltage decreased. No hazard.	AVR1:decreased



## F M E A

Component	Mode		Comment	Output Voltage (V)
IC202	Short	3-4	Output voltage decreased.No hazard.	AVR1:decreased
		5-6	Output voltage decreased.No hazard.	AVR1:decreased
		6-7	Output voltage decreased.No hazard.	AVR1:decreased
		7-8	Output voltage decreased.No hazard.	AVR1:decreased
IC301	Open	1	Normal operation.	
		2	No hazard.	AVR1:0
		3	Output voltage decreased.No hazard.	AVR1:decreased
		4	Normal operation.	
		5	Output voltage decreased.No hazard.	AVR1:decreased
		6	Output voltage decreased.No hazard.	AVR1:decreased
		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	Normal operation.	
		11	Output voltage decreased.No hazard.	AVR1:decreased
		12	No hazard.	AVR1:0
		13	No hazard.	AVR1:0
		14	Normal operation.	
		15	Output voltage decreased.No hazard.	AVR1:decreased
		16	Normal operation.	
		17	No hazard.	AVR1:0
		18	No hazard.	AVR1:0
		19	Output voltage decreased.No hazard.	AVR1:decreased
		20	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	1-2	No hazard.	AVR1:0
		2-3	Output voltage decreased.No hazard.	AVR1:decreased
		3-4	Output voltage decreased.No hazard.	AVR1:decreased
		4-5	Output voltage decreased.No hazard.	AVR1:decreased
		6-7	Output voltage decreased.No hazard.	AVR1:decreased
		7-8	Output voltage decreased.No hazard.	AVR1:decreased
		8-9	Output voltage decreased.No hazard.	AVR1:decreased
		10-11	Output voltage decreased.No hazard.	AVR1:decreased
		11-12	Output voltage decreased.No hazard.	AVR1:decreased
		12-13	Normal operation.	
		13-14	Normal operation.	
		14-15	Output voltage decreased.No hazard.	AVR1:decreased
		16-17	Output voltage decreased.No hazard.	AVR1:decreased
		17-18	No hazard.	AVR1:0
		18-19	Normal operation.	
		19-20	Normal operation.	
IC401	Open	1	See 22 Page.	
		2	See 22 Page.	
		3	See 22 Page.	
		4	Normal operation.	
		5	See 22 Page.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Open	9	See 22 Page.	
		10	See 22 Page.	
		11	Normal operation.	
		12	Normal operation.	
		13	See 22 Page.	
		14	See 22 Page.	
	Short	1-2	See 22 Page.	
		2-3	See 22 Page.	
		3-4	See 22 Page.	
		4-5	No hazard.	AVR1:0
		5-6	Normal operation.	
		6-7	Normal operation.	
		8-9	See 22 Page.	
		9-10	Output voltage decreased.No hazard.	AVR1:decreased
		10-11	Normal operation.	
		11-12	Normal operation.	
		12-13	See 22 Page.	
		13-14	Output voltage decreased.No hazard.	AVR1:decreased
IC701	Open	1	Output voltage decreased.No hazard.	AVR1:decreased
		2	Output voltage decreased.No hazard.	AVR1:decreased
C101	Open		Normal operation.	
IC701	Open	5	Output voltage decreased.No hazard.	AVR1:decreased
		1-2	Output voltage decreased.No hazard.	AVR1:decreased
	Short	2-3	Output voltage decreased.No hazard.	AVR1:decreased

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Short	4-5	Output voltage decreased.No hazard.	AVR1:decreased
IC702	Open	1	Output voltage decreased.No hazard.	AVR1:decreased
		2	Normal operation.	
		3	Output voltage decreased.No hazard.	AVR1:decreased
		4	Normal operation.	
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		4-5	Normal operation.	
IC801	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Output voltage decreased.No hazard.	AVR1:decreased
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Output voltage decreased.No hazard.	AVR1:decreased
		4-5	Normal operation.	
L101	Open		No hazard.	AVR1:0
	Short		Normal operation.	
PC311	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	Output voltage decreased.No hazard.	AVR1:decreased
PC851	Open	A, K	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
PC851	Open	C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	Output voltage decreased.No hazard.	AVR1:decreased
PTH861	Open		Output voltage decreased.No hazard.	AVR1:decreased
	Short		Normal operation.	
R101	Open		Normal operation.	
R102	Open		Normal operation.	
R103	Open		Normal operation.	
R104	Open		Normal operation.	
R105	Open		Output voltage decreased.No hazard.	AVR1:decreased
R111	Open		Output voltage decreased.No hazard.	AVR1:decreased
R112	Open		Output voltage decreased.No hazard.	AVR1:decreased
R113	Open		Output voltage decreased.No hazard.	AVR1:decreased
R114	Open		Output voltage decreased.No hazard.	AVR1:decreased
R117	Open		Normal operation.	
R118	Open		Normal operation.	
R131	Open		Normal operation.	
R132	Open		Normal operation.	
R133	Open		Normal operation.	
R134	Open		Normal operation.	
R135	Open		Normal operation.	
R136	Open		No hazard.	AVR1:0
R161	Open		Output voltage decreased.No hazard.	AVR1:decreased
R162	Open		See 22 Page.	

## F M E A

Component	Mode	Comment	Output Voltage (V)
R201	Open	No hazard.	AVR1:0
R202	Open	No hazard.	AVR1:0
R203	Open	Normal operation.	
R211	Open	No hazard.	AVR1:0
R212	Open	Normal operation.	
R213	Open	No hazard.	AVR1:0
R221	Open	Output voltage decreased.No hazard.	AVR1:decreased
R301	Open	Output voltage decreased.No hazard.	AVR1:decreased
R302	Open	Output voltage decreased.No hazard.	AVR1:decreased
R303	Open	Output voltage decreased.No hazard.	AVR1:decreased
R312	Open	Output voltage decreased.No hazard.	AVR1:decreased
R313	Open	Normal operation.	
R315	Open	No hazard.	AVR1:decreased or increased
R316	Open	Output voltage decreased.No hazard.	AVR1:decreased
R321	Open	Normal operation.	
R351	Open	Normal operation.	
R352	Open	Normal operation.	
R353	Open	Output voltage decreased.No hazard.	AVR1:decreased
R354	Open	Normal operation.	
R355	Open	Normal operation.	
R357	Open	Normal operation.	
R358	Open	Normal operation.	
R359	Open	Normal operation.	
R360	Open	Normal operation.	

## F M E A

Component	Mode	Comment	Output Voltage (V)
R361	Open	Output voltage decreased.No hazard.	AVR1:decreased
R363	Open	Normal operation.	
R364	Open	Normal operation.	
R365	Open	Normal operation.	
R371	Open	Output voltage decreased.No hazard.	AVR1:decreased
R372	Open	Normal operation.	
R391	Open	See 22 Page.	
R401	Open	Normal operation.	
R402	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	See 22 Page.	
R503	Open	Normal operation.	
R504	Open	See 22 Page.	
R522	Open	Normal operation.	
R523	Open	Normal operation.	
R524	Open	Normal operation.	
R532	Open	Normal operation.	
R533	Open	Normal operation.	
R534	Open	Normal operation.	
R601	Open	Normal operation.	
R602	Open	Normal operation.	
R701	Open	Output voltage decreased.No hazard.	AVR1:decreased
R702	Open	Output voltage decreased.No hazard.	AVR1:decreased
R703	Open	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
R711	Open		Output voltage decreased.No hazard.	AVR1:decreased
R712	Open		Output voltage decreased.No hazard.	AVR1:decreased
R713	Open		Output voltage decreased.No hazard.	AVR1:decreased
R714	Open		No hazard.	AVR1:decreased or increased
R715	Open		No hazard.	AVR1:decreased or increased
R716	Open		Output voltage decreased.No hazard.	AVR1:decreased
R717	Open		Normal operation.	
R721	Open		Output voltage decreased.No hazard.	AVR1:decreased
R722	Open		Output voltage decreased.No hazard.	AVR1:decreased
R723	Open		Output voltage decreased.No hazard.	AVR1:decreased
R725	Open		Normal operation.	
R726	Open		No hazard.	AVR1:decreased or increased
R801	Open		Output voltage decreased.No hazard.	AVR1:decreased
R802	Open		Output voltage decreased.No hazard.	AVR1:decreased
R851	Open		Normal operation.	
R852	Open		Normal operation.	
R853	Open		Normal operation.	
R854	Open		Normal operation.	
R855	Open		Normal operation.	
R856	Open		Output voltage decreased.No hazard.	AVR1:decreased
R861	Open		Normal operation.	
TH221	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased
TR101	Open	D	See 22 Page.	





F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Open	S	See 22 Page.	
		G	See 22 Page.	
	Short	D-S	See 23 Page.	
		S-G	See 23 Page.	
		G-D	See 23 Page.	
TR102	Open	D	See 23 Page.	
		S	See 23 Page.	
		G	See 23 Page.	
	Short	D-S	See 23 Page.	
		S-G	See 23 Page.	
		G-D	See 23 Page.	
TR103	Open	D	See 23 Page.	
		S	See 23 Page.	
		G	See 23 Page.	
	Short	D-S	See 23 Page.	
		S-G	See 23 Page.	
		G-D	See 23 Page.	
TR104	Open	D	See 23 Page.	
		S	See 23 Page.	
		G	See 23 Page.	
	Short	D-S	See 23 Page.	
		S-G	See 23 Page.	
		G-D	See 23 Page.	
TR131	Open	C	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR131	Open	E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	External fuse opened.No hazard.	AVR1:0
TR351	Open	1 (1)	Output voltage decreased.No hazard.	AVR1:decreased
		2 (2)	Normal operation.	
		2 (3)	Normal operation.	
		2 (4)	Normal operation.	
		1 (5)	Output voltage decreased.No hazard.	AVR1:decreased
		1 (6)	Output voltage decreased.No hazard.	AVR1:decreased
	Short	1-2 (1-2)	Normal operation.	
		2-2 (2-3)	Normal operation.	
		2-1 (4-5)	Output voltage decreased.No hazard.	AVR1:decreased
TR352	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR391	Open	C	See 23 Page.	
		E	See 23 Page.	
		B	See 23 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR391	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR501	Open	D	See 24 Page.	
		S	See 24 Page.	
		G	See 24 Page.	
	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	No hazard.	AVR1:0
TR503	Open	D	See 24 Page.	
		S	See 24 Page.	
		G	See 24 Page.	
	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	No hazard.	AVR1:0
TR521	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	Normal operation.	
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR531	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR531	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	Normal operation.	
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR601	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR701	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR702	Open	C	Output voltage decreased.No hazard.	AVR1:decreased
		E	Output voltage decreased.No hazard.	AVR1:decreased
		B	Output voltage decreased.No hazard.	AVR1:decreased
	Short	C-E	Output voltage decreased.No hazard.	AVR1:decreased
		E-B	No hazard.	AVR1:decreased or increased
		B-C	Output voltage decreased.No hazard.	AVR1:decreased
TR861	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR861	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
ZD131	Open		Normal operation.	
	Short		Normal operation.	
ZD132	Open		Normal operation.	
	Short		Normal operation.	
ZD201	Open		Normal operation.	
	Short		Normal operation.	
ZD391	Open		Normal operation.	
	Short		See 24 Page.	
ZD601	Open		Normal operation.	
	Short		Normal operation.	
ZD701	Open		Normal operation.	
	Short		Output voltage decreased.No hazard.	AVR1:decreased

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
D161	Open		No hazard.	
D162	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC401	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
		9	Output voltage decreased. No hazard.	AVR1:decreased
		10	Output voltage decreased. No hazard.	AVR1:decreased
		13	Output voltage decreased. No hazard.	AVR1:decreased
		14	Output voltage decreased. No hazard.	AVR1:decreased
	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
		8-9	Output voltage decreased. No hazard.	AVR1:decreased
		12-13	Output voltage decreased. No hazard.	AVR1:decreased
IC701	Open	3	No hazard.	AVR1:decreased or increased
		4	No hazard.	AVR1:decreased or increased
R162	Open		No hazard.	
R391	Open		No hazard.	
R502	Open		Output voltage decreased. No hazard.	AVR1:decreased
R504	Open		Output voltage decreased. No hazard.	AVR1:decreased
TR101	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	No hazard.	AVR1:0

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR101	Short	D-S	No hazard.	AVR1:0
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR102	Open	D	Output voltage decreased.No hazard.	AVR1:decreased
		S	Output voltage decreased.No hazard.	AVR1:decreased
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR103	Open	D	Output voltage decreased.No hazard.	AVR1:decreased
		S	Output voltage decreased.No hazard.	AVR1:decreased
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR104	Open	D	Output voltage decreased.No hazard.	AVR1:decreased
		S	Output voltage decreased.No hazard.	AVR1:decreased
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	Output voltage decreased.No hazard.	AVR1:decreased
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR391	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR501	Open	D	Output voltage decreased.No hazard.	AVR1:decreased
		S	Output voltage decreased.No hazard.	AVR1:decreased
		G	Output voltage decreased.No hazard.	AVR1:decreased
TR503	Open	D	Output voltage decreased.No hazard.	AVR1:decreased
		S	Output voltage decreased.No hazard.	AVR1:decreased
		G	Output voltage decreased.No hazard.	AVR1:decreased
ZD391	Short		Normal operation.	