

ABNORMAL TEST RESULT

OF MODEL CHS7004812H

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 ~ 25/27)

(Abnormal Test Result: 26/27 ~ 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	
	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	External fuse opened.No Hazard.	AVR1:0
C107	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0
C108	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0
C109	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0
C110	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0
C111	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0
C113	Open	Normal operation	
	Short	External fuse opened.No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C114	Open	Normal operation	
	Short	Normal operation	
C115	Open	Normal operation	
	Short	Normal operation	
C116	Open	Normal operation	
	Short	Normal operation	
C117	Open	Normal operation	
	Short	Normal operation	
C121	Open	Normal operation	
	Short	No Hazard	AVR1:0
C122	Open	Output voltage decreased.No Hazard.	AVR1:decreased
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C123	Open	Normal operation	
	Short	No Hazard	AVR1:0
C124	Open	Output voltage decreased.No Hazard.	AVR1:decreased
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C141	Open	Normal operation	
	Short	No Hazard	AVR1:0
C142	Open	Normal operation	
	Short	No Hazard	AVR1:0
C151	Open	Normal operation	
	Short	No Hazard	AVR1:0
C152	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C160	Open	Normal operation	
	Short	Normal operation	
C205	Open	Normal operation	
	Short	No Hazard	AVR1:0
C206	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
C314	Open	Normal operation	
	Short	No Hazard	AVR1:0
C351	Open	Normal operation	
	Short	Normal operation	

F M E A

Component	Mode	Comment	Output Voltage (V)
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
C381	Open	Normal operation	
	Short	Normal operation	
C382	Open	Normal operation	
	Short	Normal operation	
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
C505	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C506	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C507	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C508	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C509	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C510	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C521	Open	Normal operation	
	Short	Normal operation	
C522	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C531	Open	Normal operation	
	Short	Normal operation	
C532	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C601	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C602	Open	Normal operation	
	Short	Normal operation	
C603	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C604	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
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
C713	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C714	Open	Normal operation	
	Short	Normal operation	
C715	Open	Normal operation	
	Short	Normal operation	
C716	Open	Normal operation	
	Short	Normal operation	
C721	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
C801	Open	Normal operation	
	Short	Normal operation	

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Component	Mode	Comment	Output Voltage (V)
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	
D151	Open	See 26 Page.	
	Short	No Hazard	AVR1:0
D152	Open	Output voltage decreased.No Hazard.	AVR1:decreased
	Short	Output voltage decreased.No Hazard.	AVR1:decreased
D153	Open	Normal operation	
	Short	Normal operation	
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	
D511	Open	Normal operation	
	Short	Normal operation	

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Component	Mode		Comment	Output Voltage (V)
D512	Open		Normal operation	
	Short		Normal operation	
D521	Open		Normal operation	
	Short		Normal operation	
D531	Open		Normal operation	
	Short		Normal operation	
D601	Open		Normal operation	
	Short		Output voltage decreased.No Hazard.	AVR1:decreased
D602	Open		See 26 Page.	
	Short		Normal operation	
IC121	Open	1	Output voltage decreased.No Hazard.	AVR1:decreased
		2	Output voltage decreased.No Hazard.	AVR1:decreased
		3	External fuse opened.No Hazard.	AVR1:0
		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	External fuse opened.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	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

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Component	Mode		Comment	Output Voltage (V)
IC122	Open	1	Output voltage decreased.No Hazard.	AVR1:decreased
		2	Output voltage decreased.No Hazard.	AVR1:decreased
		3	External fuse opened.No Hazard.	AVR1:0
		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	External fuse opened.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	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
IC141	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	
		4-5	No Hazard	AVR1:0
IC301	Open	1	Normal operation	
		2	No Hazard	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	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	Normal operation	
		13	Normal operation	
		14	Output voltage decreased.No Hazard.	AVR1:decreased
		15	Output voltage decreased.No Hazard.	AVR1:decreased
		16	Normal operation	
		17	No Hazard	AVR1:0
		18	No Hazard	AVR1:0
		19	Normal operation	
		20	Normal operation	
	Short	1-2	No Hazard	AVR1:0
		2-3	No Hazard	AVR1:0
		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

F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	8-9	Output voltage decreased.No Hazard.	AVR1:decreased
		9-10	Output voltage decreased.No Hazard.	AVR1:decreased
		11-12	Output voltage decreased.No Hazard.	AVR1:decreased
		12-13	Normal operation	
		13-14	Output voltage decreased.No Hazard.	AVR1:decreased
		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	
IC381	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	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
		4	Normal operation	
		5	Output voltage decreased.No Hazard.	AVR1:decreased
		6	Normal operation	

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Component	Mode		Comment	Output Voltage (V)
IC401	Open	7	Normal operation	
		8	Output voltage decreased.No Hazard.	AVR1:decreased
		9	Output voltage decreased.No Hazard.	AVR1:decreased
		10	Output voltage decreased.No Hazard.	AVR1:decreased
		11	Normal operation	
		12	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
		4-5	No Hazard	AVR1:0
		5-6	Normal operation	
		6-7	Normal operation	
		8-9	Output voltage decreased.No Hazard.	AVR1:decreased
		9-10	Output voltage decreased.No Hazard.	AVR1:decreased
		10-11	Normal operation	
		11-12	Normal operation	
		12-13	Output voltage decreased.No Hazard.	AVR1:decreased
		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
		3	Normal operation	
		4	Normal operation	

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Component	Mode		Comment	Output Voltage (V)
IC701	Open	5	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
		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	Output voltage decreased.No Hazard.	AVR1:decreased
		4-5	Output voltage decreased.No Hazard.	AVR1:decreased
IC851	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	Normal operation	
		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

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Component	Mode		Comment	Output Voltage (V)
PC311	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	
		C, E	Normal operation	
	Short	A-K	Normal operation	
		C-E	Output voltage decreased.No Hazard.	AVR1:decreased
PTH86 1	Open		Output voltage decreased.No Hazard.	AVR1:decreased
	Short		Normal operation	
R101	Open		External fuse opened.No Hazard.	AVR1:0
R102	Open		External fuse opened.No Hazard.	AVR1:0
R103	Open		External fuse opened.No Hazard.	AVR1:0
R104	Open		External fuse opened.No Hazard.	AVR1:0
R105	Open		Normal operation	
R106	Open		Normal operation	
R107	Open		Normal operation	
R108	Open		Normal operation	
R109	Open		Output voltage decreased.No Hazard.	AVR1:decreased
R110	Open		Output voltage decreased.No Hazard.	AVR1:decreased
R121	Open		Normal operation	
R122	Open		Normal operation	
R131	Open		Normal operation	
R132	Open		Normal operation	
R133	Open		Normal operation	
R134	Open		Normal operation	

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Component	Mode	Comment	Output Voltage (V)
R135	Open	Normal operation	
R141	Open	No Hazard	AVR1:0
R151	Open	See 26 Page.	
R152	Open	See 26 Page.	
R153	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R201	Open	No Hazard	AVR1:0
R202	Open	No Hazard	AVR1:0
R203	Open	Normal operation	
R204	Open	No Hazard	AVR1:0
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	Output voltage decreased.No Hazard.	AVR1:decreased
R315	Open	Normal operation	
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

F M E A

Component	Mode	Comment	Output Voltage (V)
R354	Open	Normal operation	
R355	Open	Normal operation	
R357	Open	Normal operation	
R358	Open	Normal operation	
R359	Open	Normal operation	
R360	Open	Normal operation	
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	
R381	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R382	Open	Normal operation	
R383	Open	Normal operation	
R401	Open	Normal operation	
R402	Open	Normal operation	
R501	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R502	Open	Normal operation	
R503	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R504	Open	Normal operation	
R511	Open	Normal operation	
R512	Open	Normal operation	
R521	Open	Normal operation	

F M E A

Component	Mode	Comment	Output Voltage (V)
R522	Open	Normal operation	
R523	Open	Normal operation	
R524	Open	Normal operation	
R531	Open	Normal operation	
R532	Open	Normal operation	
R533	Open	Normal operation	
R534	Open	Normal operation	
R601	Open	Normal operation	
R602	Open	Normal operation	
R603	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R604	Open	Output voltage decreased.No Hazard.	AVR1:decreased
R701	Open	Output voltage decreased.No Hazard.	AVR1:decreased
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	Normal operation	
R715	Open	Normal operation	
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	Normal operation	

F M E A

Component	Mode		Comment	Output Voltage (V)
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	
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	Output voltage decreased.No Hazard.	AVR1:decreased
		S	Output voltage decreased.No Hazard.	AVR1:decreased
		G	See 26 Page.	
	Short	D-S	See 26 Page.	
		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	See 26 Page.	
	Short	D-S	See 26 Page.	
		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

F M E A

Component	Mode		Comment	Output Voltage (V)
TR103	Open	G	See 26 Page.	
	Short	D-S	See 26 Page.	
		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	See 26 Page.	
	Short	D-S	See 26 Page.	
		S-G	Output voltage decreased.No Hazard.	AVR1:decreased
		G-D	Output voltage decreased.No Hazard.	AVR1:decreased
TR131	Open	C	Normal operation	
		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
TR151	Open	C	Normal operation	
		E	See 26 Page.	
		B	See 26 Page.	
	Short	C-E	Normal operation	
		E-B	Normal operation	
		B-C	Normal operation	
TR351	Open	1 (1)	Output voltage decreased.No Hazard.	AVR1:decreased
		1 (2)	Output voltage decreased.No Hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
TR351	Open	2 (3)	Normal operation	
		2 (4)	Normal operation	
		2 (5)	Normal operation	
		1 (6)	Output voltage decreased.No Hazard.	AVR1:decreased
	Short	1-1 (1-2)	Output voltage decreased.No Hazard.	AVR1:decreased
		1-2 (2-3)	Output voltage decreased.No Hazard.	AVR1:decreased
		2-2 (4-5)	Normal operation	
		2-1 (5-6)	Normal operation	
TR352	Open	D	Normal operation	
		S	Normal operation	
		G	Normal operation	
	Short	D-S	Normal operation	
		S-G	Normal operation	
		G-D	Normal operation	
TR501	Open	D	See 26 Page.	
		S	See 26 Page.	
		G	See 26 Page.	
	Short	D-S	Output voltage decreased.No Hazard.	AVR1:decreased
		S-G	See 26 Page.	
		G-D	No Hazard	AVR1:0
TR502	Open	D	See 26 Page.	
		S	See 26 Page.	
		G	See 26 Page.	
	Short	D-S	Output voltage decreased.No Hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
TR502	Short	S-G	See 26 Page.	
		G-D	No Hazard	AVR1:0
TR503	Open	D	See 26 Page.	
		S	See 26 Page.	
		G	See 27 Page.	
	Short	D-S	Output voltage decreased.No Hazard.	AVR1:decreased
		S-G	See 27 Page.	
		G-D	No Hazard	AVR1:0
TR504	Open	D	See 27 Page.	
		S	See 27 Page.	
		G	See 27 Page.	
	Short	D-S	Output voltage decreased.No Hazard.	AVR1:decreased
		S-G	See 27 Page.	
		G-D	No Hazard	AVR1:0
TR511	Open	C	Normal operation	
		E	Normal operation	
		B	Normal operation	
	Short	C-E	Output voltage decreased.No Hazard.	AVR1:decreased
		E-B	Normal operation	
		B-C	Output voltage decreased.No Hazard.	AVR1:decreased
TR512	Open	C	Normal operation	
		E	Normal operation	
		B	Normal operation	
	Short	C-E	Output voltage decreased.No Hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
TR512	Short	E-B	Normal operation	
		B-C	Output voltage decreased.No Hazard.	AVR1:decreased
TR521	Open	D	Normal operation	
		S	Normal operation	
		G	Normal operation	
	Short	D-S	Normal operation	
		S-G	Normal operation	
		G-D	Normal operation	
TR531	Open	D	Normal operation	
		S	Normal operation	
		G	Normal operation	
	Short	D-S	Normal operation	
		S-G	Normal operation	
		G-D	Normal operation	
TR601	Open	C	Normal operation	
		E	Normal operation	
		B	Normal operation	
	Short	C-E	Normal operation	
		E-B	Normal operation	
		B-C	Normal operation	
TR602	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	Normal operation	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR602	Short	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	Normal operation	
		B-C	Output voltage decreased.No Hazard.	AVR1:decreased
TR861	Open	D	Normal operation	
		S	Normal operation	
		G	Normal operation	
	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	
ZD151	Open		Normal operation	
	Short		See 27 Page.	
ZD201	Open		Normal operation	
	Short		Normal operation	
ZD601	Open		Normal operation	
	Short		Normal operation	



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD602	Open	Normal operation	
	Short	Output voltage decreased.No Hazard.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
D151	Open		Normal operation	
D602	Open		Normal operation	
R151	Open		Normal operation	
R152	Open		Normal operation	
TR101	Open	G	External fuse opened.No Hazard.	AVR1:0
	Short	D-S	External fuse opened.No Hazard.	AVR1:0
TR102	Open	G	External fuse opened.No Hazard.	AVR1:0
	Short	D-S	External fuse opened.No Hazard.	AVR1:0
TR103	Open	G	External fuse opened.No Hazard.	AVR1:0
	Short	D-S	External fuse opened.No Hazard.	AVR1:0
TR104	Open	G	External fuse opened.No Hazard.	AVR1:0
	Short	D-S	External fuse opened.No Hazard.	AVR1:0
TR151	Open	E	Normal operation	
		B	Normal operation	
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
	Short	S-G	Output voltage decreased.No Hazard.	AVR1:decreased
TR502	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
	Short	S-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



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR503	Open	G	Output voltage decreased.No Hazard.	AVR1:decreased
	Short	S-G	Output voltage decreased.No Hazard.	AVR1:decreased
TR504	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
	Short	S-G	Output voltage decreased.No Hazard.	AVR1:decreased
ZD151	Short		Normal operation	