

ABNORMAL TEST RESULT

OF MODEL CHS1202415

1. Did Cheese Cloth or Paper Glow?

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown?

No.

4. Other Results?

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See the following pages . ( FMEA : 2/19 \sim 16/19) ( Abnormal Test Result: 17/19 \sim 19/19)
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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.

Component	Mode	Comment	Output Voltage (V
C101	0pen	Normal operation.	
	Short	External fuse opened. No hazard.	AVR1:0
C102	0pen	See 17 Page.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C103	0pen	See 17 Page.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C110	0pen	Normal operation.	
	Short	Normal operation.	
C111	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C112	0pen	Output voltage decreased. No hazard.	AVR1:decreased
	Short	See 17 Page.	
C121	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C122	0pen	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C123	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C141	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C142	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C201	0pen	Normal operation.	
	Short	No hazard.	AVR1:0

Component	Mode	Comment	Output Voltage (V
C211	0pen	Normal operation.	
	Short	Normal operation.	
C221	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C301	0pen	See 17 Page.	
	Short	Output voltage increased.No hazard.	AVR1:increased
C303	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C311	0pen	No hazard.	AVR1:decreased or increased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C312	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C313	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C314	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C351	0pen	Normal operation.	
	Short	Normal operation.	
C352	0pen	Normal operation.	
	Short	Normal operation.	
C353	0pen	Normal operation.	
	Short	Normal operation.	
C354	0pen	Output voltage decreased.No hazard.	AVR1:decreased
	Short	Normal operation.	

Component	Mode	Comment	Output Voltage (V
C401	0pen	Normal operation.	
	Short	No hazard.	AVR1:0
C501	0pen	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C502	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C503	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C504	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C511	0pen	Normal operation.	
	Short	See 17 Page.	
C521	0pen	Normal operation.	
	Short	See 17 Page.	
C601	0pen	Normal operation.	
	Short	Output voltage increased.No hazard.	AVR1:increased
C602	0pen	Normal operation.	
	Short	Output voltage increased.No hazard.	AVR1:increased
C701	0pen	No hazard.	AVR1:decreased or increased
	Short	Output voltage increased.No hazard.	AVR1:increased
C703	0pen	Normal operation.	
	Short	Output voltage increased.No hazard.	AVR1:increased
C711	0pen	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:increased

Component	Mode	Comment	Output Voltage (V
C712	0pen	Normal operation.	
	Short	Output voltage increased.No hazard.	AVR1:increased
C713	0pen	Normal operation.	
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C714	0pen	No hazard.	AVR1:decreased or increased
	Short	No hazard.	AVR1:decreased or increased
C715	0pen	Normal operation.	
	Short	No hazard.	AVR1:decreased or increased
C716	0pen	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C721	0pen	No hazard.	AVR1:decreased or increased
	Short	Output voltage decreased.No hazard.	AVR1:decreased
C801	0pen	Normal operation.	
	Short	Normal operation.	
C802	0pen	Normal operation.	
	Short	Normal operation.	
D121	0pen	See 17 Page.	
	Short	No hazard.	AVR1:0
D122	0pen	Output voltage decreased. No hazard.	AVR1:decreased
	Short	See 17 Page.	
D131	0pen	Normal operation.	
	Short	Normal operation.	
D301	0pen	Output voltage increased. No hazard.	AVR1:increased
	Short	Output voltage decreased. No hazard.	AVR1:decreased

Component	Mode		Comment	Output Voltage (V
D351	0pen		Normal operation.	
	Short		Normal operation.	
D701	0pen		Output voltage increased. No hazard.	AVR1:increased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC111	0pen	1	No hazard.	AVR1:0
		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	No hazard.	AVR1:0
		8	Output voltage decreased.No hazard.	AVR1:decreased
	Short	1-2	See 17 Page.	
		2-3	See 17 Page.	
		3-4	Output voltage decreased.No hazard.	AVR1:decreased
		5-6	No hazard.	AVR1:0
		6-7	Output voltage decreased.No hazard.	AVR1:decreased
		7-8	Output voltage decreased.No hazard.	AVR1:decreased
IC141	0pen	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
IC301	0pen	1	Normal operation.	

Component		Mode	Comment	Output Voltage (V
IC301	0pen	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 increased. No hazard.	AVR1:increased
		7	Output voltage increased. No hazard.	AVR1:increased
		8	See 17 Page.	
		9	See 17 Page.	
		10	Output voltage decreased. No hazard.	AVR1:decreased
		11	Output voltage decreased. No hazard.	AVR1:decreased
		12	No hazard.	AVR1:0
		13	No hazard.	AVR1:0
		14	Output voltage decreased.No hazard.	AVR1:decreased
		15	Normal operation.	
		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	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 increased. No hazard.	AVR1:increased

Component		Mode	Comment	Output Voltage (V
IC301	Short	7-8	Output voltage decreased.No hazard.	AVR1:decreased
		8-9	See 17 Page.	
		9-10	See 17 Page.	
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	Output voltage decreased.No hazard.	AVR1:decreased
		14-15	Output voltage decreased. No hazard.	AVR1:decreased
		16-17	Normal operation.	
		17-18	No hazard.	AVR1:0
		18-19	Normal operation.	
		19-20	Normal operation.	
C401	0pen	1	Normal operation.	
		2	See 17 Page.	
		3	See 17 Page.	
		4	See 17 Page.	
		5	See 17 Page.	
		6	See 17 Page.	
		7	See 17 Page.	
		8	See 17 Page.	
	Short	1-2	Output voltage decreased.No hazard.	AVR1:decreased
		2-3	See 17 Page.	
		3-4	See 17 Page.	
		5-6	See 17 Page.	
		6-7	Output voltage decreased.No hazard.	AVR1:decreased

Component		Mode	Comment	Output Voltage (V)
IC401	Short	7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC601	0pen	1	See 18 Page.	
		2	See 18 Page.	
		3	See 18 Page.	
		4	See 18 Page.	
		5	See 18 Page.	
		6	See 18 Page.	
		7	See 18 Page.	
		8	See 18 Page.	
	Short	1-2	See 18 Page.	
		2-3	See 18 Page.	
		3-4	See 18 Page.	
		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
IC701	0pen	1	Output voltage increased.No	AVR1:increased
		2	hazard. Output voltage increased.No hazard.	AVR1:increased
		3	See 18 Page.	
		4	See 18 Page.	
		5	Output voltage increased. No hazard.	AVR1:increased
	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	AVR1:decreased
IC702	0pen	1	hazard. Output voltage increased.No hazard.	AVR1:increased

Component		Mode	Comment	Output Voltage (V
IC702	0pen	2	Normal operation.	
		3	Output voltage increased.No hazard.	AVR1:increased
		4	Normal operation.	
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		4-5	Normal operation.	
L101	0pen	•	No hazard.	AVR1:0
	Short		Normal operation.	
PC311	0pen	A, K	Output voltage increased.No hazard.	AVR1:increased
		C, E	Output voltage increased. No hazard.	AVR1:increased
	Short	А-К	Output voltage increased. No hazard.	AVR1:increased
		С-Е	Output voltage decreased. No hazard.	AVR1:decreased
R101	0pen		Normal operation.	
R103	0pen		Normal operation.	
R105	0pen		See 18 Page.	
R111	0pen		Output voltage decreased.No hazard.	AVR1:decreased
R113	0pen		Normal operation.	
R114	0pen		Output voltage decreased.No hazard.	AVR1:decreased
R116	0pen		Normal operation.	
R117	0pen		Normal operation.	
R118	0pen		Normal operation.	
R121	0pen		Output voltage decreased. No hazard.	AVR1:decreased
R123	0pen		Output voltage decreased. No hazard.	AVR1:decreased

Component	Mode	Comment	Output Voltage (V
R124	0pen	Output voltage increased.No hazard.	AVR1:increased
R125	0pen	See 18 Page.	
R131	0pen	Normal operation.	
R132	0pen	Normal operation.	
R133	0pen	Normal operation.	
R135	0pen	Normal operation.	
R141	0pen	No hazard.	AVR1:0
R201	0pen	No hazard.	AVR1:0
R202	0pen	No hazard.	AVR1:0
R203	0pen	Normal operation.	
R211	0pen	No hazard.	AVR1:0
R212	0pen	Normal operation.	
R213	0pen	No hazard.	AVR1:0
R221	0pen	Output voltage decreased. No hazard.	AVR1:decreased
R301	0pen	Output voltage increased. No hazard.	AVR1:increased
R302	0pen	Output voltage increased. No hazard.	AVR1:increased
R303	0pen	Output voltage increased. No hazard.	AVR1:increased
R311	0pen	Output voltage decreased. No hazard.	AVR1:decreased
R312	0pen	Output voltage decreased. No hazard.	AVR1:decreased
R313	0pen	Normal operation.	
R315	0pen	Normal operation.	
R316	0pen	Output voltage increased. No hazard.	AVR1:increased
R321	0pen	Normal operation.	
R351	0pen	Normal operation.	

Component	Mode	Comment	Output Voltage (V
R352	0pen	Normal operation.	
R353	0pen	Output voltage decreased.No hazard.	AVR1:decreased
R354	0pen	Normal operation.	
R355	0pen	Normal operation.	
R357	0pen	Normal operation.	
R401	0pen	Normal operation.	
R402	0pen	Normal operation.	
R511	0pen	See 18 Page.	
R512	0pen	Normal operation.	
R513	0pen	Normal operation.	
R514	0pen	Normal operation.	
R515	0pen	Normal operation.	
R516	0pen	Normal operation.	
R521	0pen	See 18 Page.	
R522	0pen	Normal operation.	
R523	0pen	Normal operation.	
R524	0pen	Normal operation.	
R525	0pen	Normal operation.	
R526	0pen	Normal operation.	
R601	0pen	Output voltage increased. No hazard.	AVR1:increased
R701	0pen	Output voltage increased. No hazard.	AVR1:increased
R702	0pen	Output voltage increased. No hazard.	AVR1:increased
R703	0pen	Output voltage increased. No hazard.	AVR1:increased
R711	0pen	Output voltage decreased. No hazard.	AVR1:decreased

Component		Mode	Comment	Output Voltage (V
R712	0pen		Output voltage decreased. No hazard.	AVR1:decreased
R713	0pen		Output voltage increased. No hazard.	AVR1:increased
R714	0pen		No hazard.	AVR1:decreased or increased
R715	0pen		Normal operation.	11101100000
R716	0pen		Output voltage increased. No hazard.	AVR1:increased
R717	0pen		Normal operation.	
R721	0pen		Output voltage increased. No hazard.	AVR1:increased
R722	0pen		Output voltage increased.No hazard.	AVR1:increased
R723	0pen		Output voltage decreased.No hazard.	AVR1:decreased
R725	0pen		Normal operation.	
R726	0pen		No hazard.	AVR1:decreased or increased
R801	0pen		Output voltage increased.No hazard.	AVR1:increased
R802	0pen		Output voltage increased.No hazard.	AVR1:increased
TR101	0pen	D	See 18 Page.	
		S	See 18 Page.	
		G	See 18 Page.	
	Short	D-S	See 18 Page.	
		S-G	See 18 Page.	
		G-D	See 18 Page.	
TR102	0pen	D	See 18 Page.	
		S	See 19 Page.	
		G	See 19 Page.	
	Short	D-S	See 19 Page.	
		S-G	See 19 Page.	

Component		Mode	Comment	Output Voltage (V
TR102	Short	G-D	See 19 Page.	
TR131	0pen	С	Normal operation.	
		Е	Normal operation.	
		В	Normal operation.	
	Short	С-Е	No hazard.	AVR1:0
		Е-В	Normal operation.	
		В-С	No hazard.	AVR1:0
TR351	0pen	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
		1-1 (5-6)	Output voltage decreased.No hazard.	AVR1:decreased
TR511	0pen	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	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	See 19 Page.	
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR521	0pen	D	Output voltage decreased. No hazard.	AVR1:decreased

Component		Mode	Comment	Output Voltage (
TR521	0pen	S	Output voltage decreased.No hazard.	AVR1:decreased
		G	Output voltage decreased.No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	See 19 Page.	
		G-D	Output voltage decreased.No hazard.	AVR1:decreased
TR601	0pen	D	Output voltage increased. No hazard.	AVR1:increased
		S	Output voltage increased. No hazard.	AVR1:increased
		G	Output voltage increased. No hazard.	AVR1:increased
	Short	D-S	Output voltage increased. No hazard.	AVR1:increased
		S-G	Output voltage increased. No hazard.	AVR1:increased
		G-D	Output voltage increased. No hazard.	AVR1:increased
TR701	0pen	С	Normal operation.	
		Е	Output voltage increased. No hazard.	AVR1:increased
		В	Output voltage increased. No hazard.	AVR1:increased
	Short	С-Е	Normal operation.	
		Е-В	Normal operation.	
		В-С	Output voltage increased. No hazard.	AVR1:increased
TR702	0pen	С	Output voltage increased. No hazard.	AVR1:increased
		Е	Output voltage increased. No hazard.	AVR1:increased
		В	Output voltage increased. No hazard.	AVR1:increased
	Short	С-Е	Output voltage decreased. No hazard.	AVR1:decreased
		Е-В	No hazard.	AVR1:decreased o
		В-С	Output voltage decreased. No hazard.	AVR1:decreased
 ZD131	0pen	•	Normal operation.	

Component	Mode	Comment	Output Voltage (V)
ZD131	Short	Normal operation.	
ZD132	0pen	Normal operation.	
	Short	Normal operation.	
ZD201	0pen	Normal operation.	
	Short	Normal operation.	
ZD601	0pen	See 19 Page.	
	Short	Output voltage increased. No hazard.	AVR1:increased
ZD701	0pen	Normal operation.	
	Short	Output voltage increased. No hazard.	AVR1:increased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V
C102	0pen		No hazard.	
C103	0pen		No hazard.	
C112	Short		No hazard.	AVR1:0
C301	0pen		Output voltage decreased.No hazard.	AVR1:decreased
C511	Short		Output voltage decreased. No hazard.	AVR1:decreased
C521	Short		Output voltage decreased. No hazard.	AVR1:decreased
D121	0pen		No hazard.	
D122	Short		Output voltage decreased.No hazard.	AVR1:decreased
IC111	Short	1-2	No hazard.	AVR1:0
		2-3	Output voltage decreased.No hazard.	AVR1:decreased
IC301	0pen	8	No hazard.	AVR1:0
		9	No hazard.	AVR1:0
	Short	8-9	Output voltage decreased.No hazard.	AVR1:decreased
		9-10	No hazard.	AVR1:0
IC401	0pen	2	No hazard.	AVR1:0
		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	No hazard.	AVR1:0
	Short	2-3	No hazard.	
		3-4	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0

COSEL-

ABNORMAL TEST RESULT

Component		Mode Comment		Output Voltage (V
IC601	0pen	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		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	No hazard.	AVR1:0
	Short	1-2	Output voltage decreased.No hazard.	AVR1:decreased
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
IC701	0pen	3	Output voltage increased. No hazard.	AVR1:increased
		4	Output voltage decreased. No hazard.	AVR1:decreased
R105	0pen		No hazard.	AVR1:0
R125	0pen		No hazard.	
R511	0pen		No hazard.	AVR1:0
R521	0pen		No hazard.	AVR1:0
TR101	0pen	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	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	No hazard.	AVR1:0
		G-D	External fuse opened. No hazard.	AVR1:0
TR102	0pen	D	Output voltage decreased. No hazard.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR102	0pen	S	Output voltage decreased. No hazard.	AVR1:decreased
		G	No hazard.	AVR1:0
	Short	D-S	Output voltage decreased.No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR511	Short	S-G	No hazard.	AVR1:0
TR521	Short	S-G	No hazard.	AVR1:0
ZD601	0pen	-	No hazard.	