

ABNORMAL TEST RESULT

OF MODEL CHS40048

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 : 2/31 ~ 29/31)

(Abnormal Test Result: 30/31 ~ 31/31)

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)
C100	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C101	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C102	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C103	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C104	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C105	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C106	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C109	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C110	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C111	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C202	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C311	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C312	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C313	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C314	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C315	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C412	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C421	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C431	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C432	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C434	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C435	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C436	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C451	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C452	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C502	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C510	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C511	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C512	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C513	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C514	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C515	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C516	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C517	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C518	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C519	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C520	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C521	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C526	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C527	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C528	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C529	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C530	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C531	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C601	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C603	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C604	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C611	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C612	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C613	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C614	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C621	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C701	Open	No Hazard.	AVR1:*
	Short	Normal operation.	AVR1:*
C702	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C703	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C705	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C706	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C710	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C711	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C720	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C721	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C722	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C723	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C724	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C733	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C801	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C802	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C803	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C804	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C805	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
C806	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C807	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*
C812	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
D101	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:*
D311	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:0 [V]
D312	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:0 [V]
D422	Open	No Hazard.	AVR1:0 [V]
	Short	Normal operation.	AVR1:*
D432	Open	No Hazard.	AVR1:0 [V]
	Short	Normal operation.	AVR1:*
D511	Open	No Hazard.	AVR1:*
	Short	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)	
D521	Open	No Hazard.	AVR1:*	
	Short	No Hazard.	AVR1:*	
D601	Open	No Hazard.	AVR1:*	
	Short	No Hazard.	AVR1:*	
D611	Open	No Hazard.	AVR1:0 [V]	
	Short	No Hazard.	AVR1:0 [V]	
D621	Open	No Hazard.	AVR1:0 [V]	
	Short	Normal operation.	AVR1:*	
D701	Open	No Hazard.	AVR1:*	
	Short	No Hazard.	AVR1:*	
D703	Open	No Hazard.	AVR1:*	
	Short	No Hazard.	AVR1:*	
D801	Open	No Hazard.	AVR1:0 [V]	
	Short	No Hazard.	AVR1:*	
IC201	Open	1	No Hazard.	AVR1:0 [V]
		2	No Hazard.	AVR1:0 [V]
		3	No Hazard.	AVR1:0 [V]
		4	No Hazard.	AVR1:0 [V]
		5	No Hazard.	AVR1:0 [V]
		6	No Hazard.	AVR1:0 [V]
		7	No Hazard.	AVR1:0 [V]
		8	No Hazard.	AVR1:0 [V]
	Short	1-2	See 30 Page.	
		2-3	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	3-4	No Hazard.	AVR1:0 [V]
		5-6	No Hazard.	AVR1:0 [V]
		6-7	No Hazard.	AVR1:0 [V]
		7-8	No Hazard.	AVR1:0 [V]
IC202	Open	1	No Hazard.	AVR1:0 [V]
		2	No Hazard.	AVR1:0 [V]
		3	No Hazard.	AVR1:0 [V]
		4	No Hazard.	AVR1:0 [V]
		5	No Hazard.	AVR1:0 [V]
		6	No Hazard.	AVR1:0 [V]
		7	No Hazard.	AVR1:0 [V]
		8	No Hazard.	AVR1:0 [V]
	Short	1-2	See 30 Page.	
		2-3	No Hazard.	AVR1:0 [V]
		3-4	No Hazard.	AVR1:0 [V]
		5-6	No Hazard.	AVR1:0 [V]
		6-7	No Hazard.	AVR1:0 [V]
		7-8	No Hazard.	AVR1:0 [V]
IC203	Open	1	No Hazard.	AVR1:0 [V]
		2	No Hazard.	AVR1:0 [V]
		3	No Hazard.	AVR1:0 [V]
		4	No Hazard.	AVR1:0 [V]
		5	No Hazard.	AVR1:0 [V]
		6	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode		Comment	Output Voltage (V)
IC203	Open	7	No Hazard.	AVR1:0 [V]
		8	No Hazard.	AVR1:0 [V]
	Short	1-2	No Hazard.	AVR1:0 [V]
		2-3	No Hazard.	AVR1:0 [V]
		3-4	No Hazard.	AVR1:0 [V]
		5-6	No Hazard.	AVR1:0 [V]
		6-7	No Hazard.	AVR1:0 [V]
		7-8	No Hazard.	AVR1:0 [V]
IC311	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0 [V]
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0 [V]
		4-5	Normal operation.	AVR1:*
IC312	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0 [V]
		2-3	No Hazard.	AVR1:0 [V]
		4-5	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode		Comment	Output Voltage (V)
IC411	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0 [V]
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:*
		4-5	No Hazard.	AVR1:0 [V]
	IC431	Open	1	No Hazard.
2			No Hazard.	AVR1:0 [V]
3			No Hazard.	AVR1:0 [V]
4			No Hazard.	AVR1:0 [V]
5			See 30 Page.	
6			No Hazard.	AVR1:0 [V]
7			No Hazard.	AVR1:0 [V]
8			No Hazard.	AVR1:0 [V]
Short		1-2	No Hazard.	AVR1:0 [V]
		2-3	See 30 Page.	
		3-4	See 30 Page.	
		5-6	No Hazard.	AVR1:0 [V]
		6-7	See 30 Page.	
		7-8	No Hazard.	AVR1:0 [V]
IC601	Open	1	No Hazard.	AVR1:0 [V]
		2	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Open	3	No Hazard.	AVR1:0 [V]
	Short	2-3	See 30 Page.	
IC611	Open	1	No Hazard.	AVR1:0 [V]
		2	No Hazard.	AVR1:0 [V]
		3	No Hazard.	AVR1:0 [V]
		4	No Hazard.	AVR1:0 [V]
		5	No Hazard.	AVR1:0 [V]
	Short	1-2	No Hazard.	AVR1:0 [V]
		2-3	No Hazard.	AVR1:0 [V]
		4-5	No Hazard.	AVR1:0 [V]
	IC701	Open	1	Normal operation.
2			Normal operation.	AVR1:*
3			Normal operation.	AVR1:*
4			No Hazard.	AVR1:0 [V]
5			Normal operation.	AVR1:*
Short		1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0 [V]
		4-5	Normal operation.	AVR1:*
IC710		Open	1	No Hazard.
	2		Normal operation.	AVR1:*
	3		No Hazard.	AVR1:0 [V]
	4		No Hazard.	AVR1:0 [V]
	5		Normal operation.	AVR1:*
	6		No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)		
IC710	Open	7	Normal operation.	AVR1:*		
		8	No Hazard.	AVR1:0 [V]		
		9	No Hazard.	AVR1:0 [V]		
		10	No Hazard.	AVR1:*		
		11	Normal operation.	AVR1:*		
		12	Normal operation.	AVR1:*		
		13	Normal operation.	AVR1:*		
		14	No Hazard.	AVR1:0 [V]		
		15	No Hazard.	AVR1:0 [V]		
		16	Normal operation.	AVR1:*		
		17	No Hazard.	AVR1:0 [V]		
		18	Normal operation.	AVR1:*		
		19	No Hazard.	AVR1:*		
		20	No Hazard.	AVR1:*		
		21	Normal operation.	AVR1:*		
		22	No Hazard.	AVR1:*		
		23	No Hazard.	AVR1:0 [V]		
		24	Normal operation.	AVR1:*		
		25	Normal operation.	AVR1:*		
		26	No Hazard.	AVR1:*		
		27	No Hazard.	AVR1:0 [V]		
		28	No Hazard.	AVR1:0 [V]		
			Short	1-2	Normal operation.	AVR1:*
				2-3	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)	
IC710	Short	3-4	No Hazard.	AVR1:0 [V]
		4-5	No Hazard.	AVR1:0 [V]
		5-6	No Hazard.	AVR1:*
		6-7	No Hazard.	AVR1:0 [V]
		8-9	No Hazard.	AVR1:0 [V]
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	Normal operation.	AVR1:*
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*
		15-16	No Hazard.	AVR1:0 [V]
		16-17	No Hazard.	AVR1:0 [V]
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		19-20	Normal operation.	AVR1:*
		20-21	No Hazard.	AVR1:0 [V]
		22-23	No Hazard.	AVR1:*
		23-24	Normal operation.	AVR1:*
		24-25	Normal operation.	AVR1:*
		25-26	Normal operation.	AVR1:*
26-27	Normal operation.	AVR1:*		
27-28	Normal operation.	AVR1:*		
IC721	Open	1	No Hazard.	AVR1:*
		2	No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
IC721	Open	3	No Hazard.	AVR1:0 [V]
		4	No Hazard.	AVR1:*
		5	No Hazard.	AVR1:*
	Short	1-2	No Hazard.	AVR1:*
		2-3	No Hazard.	AVR1:0 [V]
		4-5	No Hazard.	AVR1:0 [V]
IC802	Open	1	No Hazard.	AVR1:0 [V]
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0 [V]
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0 [V]
		4-5	Normal operation.	AVR1:*
	TH711	Open		Normal operation.
Short		Normal operation.	AVR1:*	
TR101	Open	D	See 30 Page.	
		S	See 30 Page.	
		G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR102	Open	D	See 30 Page.	
		S	See 30 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Open	G	See 30 Page.	
	Short	D-S	See 30 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR103	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR104	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	
		S-G	See 31 Page.	
		G-D	See 31 Page.	
TR311 (1)	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	No Hazard.	AVR1:*
		E-B	No Hazard.	AVR1:0 [V]
		B-C	No Hazard.	AVR1:0 [V]
TR311 (2)	Open	C	No Hazard.	AVR1:*
		E	No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR311 (2)	Open	B	No Hazard.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0 [V]
TR411	Open	D	No Hazard.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR412	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0 [V]
TR451 (1)	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	See 31 Page.	
		E-B	Normal operation.	AVR1:*
		B-C	See 31 Page.	
TR451 (2)	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR451 (2)	Open	B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	No Hazard.	AVR1:*
		B-C	No Hazard.	AVR1:0 [V]
TR440	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	Normal operation.	AVR1:*
		E-B	No Hazard.	AVR1:0 [V]
		B-C	Normal operation.	AVR1:*
TR421	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:*
		E-B	No Hazard.	AVR1:*
		B-C	No Hazard.	AVR1:*
TR511	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:0 [V]
TR512	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR512	Open	G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:0 [V]
TR513	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*
		G	No Hazard.	AVR1:*
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:*
TR514	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR515	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR516	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR516	Open	B	No Hazard.	AVR1:0 [V]
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	No Hazard.	AVR1:0 [V]
		B-C	No Hazard.	AVR1:0 [V]
TR517	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*
		G	No Hazard.	AVR1:*
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:*
TR521	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR522	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR523	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR523	Open	G	No Hazard.	AVR1:*
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:*
TR524	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR525	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR526	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	No Hazard.	AVR1:0 [V]
		B-C	No Hazard.	AVR1:0 [V]
TR527	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR527	Open	G	No Hazard.	AVR1:*
	Short	D-S	No Hazard.	AVR1:*
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:*
TR611 (1)	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:*
		B	No Hazard.	AVR1:*
	Short	C-E	No Hazard.	AVR1:*
		E-B	No Hazard.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR611 (2)	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	No Hazard.	AVR1:*
		E-B	No Hazard.	AVR1:*
		B-C	No Hazard.	AVR1:0 [V]
TR612	Open	C	No Hazard.	AVR1:0 [V]
		E	No Hazard.	AVR1:0 [V]
		B	No Hazard.	AVR1:0 [V]
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	No Hazard.	AVR1:0 [V]
		B-C	No Hazard.	AVR1:0 [V]
TR621	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]



F M E A

Component	Mode		Comment	Output Voltage (V)
TR621	Open	G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR720	Open	C	No Hazard.	AVR1:*
		E	No Hazard.	AVR1:*
		B	No Hazard.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0 [V]
		E-B	No Hazard.	AVR1:*
		B-C	No Hazard.	AVR1:0 [V]
TR802	Open	D	No Hazard.	AVR1:*
		S	No Hazard.	AVR1:*
		G	No Hazard.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:*
		G-D	No Hazard.	AVR1:*
ZD411	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:*
ZD440	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0 [V]
ZD451	Open		No Hazard.	AVR1:0 [V]
	Short		No Hazard.	AVR1:0 [V]
ZD720	Open		No Hazard.	AVR1:*
	Short		No Hazard.	AVR1:0 [V]

F M E A

Component	Mode	Comment	Output Voltage (V)
R101	Open	Normal operation.	AVR1:*
R102	Open	Normal operation.	AVR1:*
R103	Open	Normal operation.	AVR1:*
R104	Open	Normal operation.	AVR1:*
R111	Open	See 31 Page.	
R112	Open	See 31 Page.	
R113	Open	See 31 Page.	
R114	Open	See 31 Page.	
R120	Open	See 31 Page.	
R201	Open	See 31 Page.	
R202	Open	See 31 Page.	
R310	Open	No Hazard.	AVR1:*
R311	Open	No Hazard.	AVR1:*
R312	Open	No Hazard.	AVR1:*
R313	Open	No Hazard.	AVR1:0 [V]
R318	Open	No Hazard.	AVR1:*
R319	Open	No Hazard.	AVR1:*
R411	Open	No Hazard.	AVR1:0 [V]
R412	Open	No Hazard.	AVR1:*
R414	Open	No Hazard.	AVR1:0 [V]
R415	Open	Normal operation.	AVR1:*
R421	Open	No Hazard.	AVR1:*
R430	Open	No Hazard.	AVR1:0 [V]
R431	Open	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode	Comment	Output Voltage (V)
R432	Open	No Hazard.	AVR1:0 [V]
R433	Open	Normal operation.	AVR1:*
R434	Open	No Hazard.	AVR1:0 [V]
R435	Open	No Hazard.	AVR1:0 [V]
R436	Open	No Hazard.	AVR1:0 [V]
R437	Open	No Hazard.	AVR1:0 [V]
R438	Open	No Hazard.	AVR1:0 [V]
R439	Open	No Hazard.	AVR1:0 [V]
R440	Open	No Hazard.	AVR1:0 [V]
R441	Open	No Hazard.	AVR1:0 [V]
R442	Open	Normal operation.	AVR1:*
R451	Open	No Hazard.	AVR1:0 [V]
R510	Open	No Hazard.	AVR1:*
R511	Open	No Hazard.	AVR1:*
R512	Open	Normal operation.	AVR1:*
R513	Open	No Hazard.	AVR1:0 [V]
R514	Open	Normal operation.	AVR1:*
R515	Open	No Hazard.	AVR1:0 [V]
R516	Open	No Hazard.	AVR1:0 [V]
R517	Open	No Hazard.	AVR1:0 [V]
R518	Open	No Hazard.	AVR1:0 [V]
R519	Open	No Hazard.	AVR1:*
R520	Open	No Hazard.	AVR1:*
R521	Open	No Hazard.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R522	Open	Normal operation.	AVR1:*
R523	Open	No Hazard.	AVR1:0 [V]
R524	Open	Normal operation.	AVR1:*
R525	Open	No Hazard.	AVR1:0 [V]
R526	Open	No Hazard.	AVR1:0 [V]
R527	Open	No Hazard.	AVR1:0 [V]
R528	Open	No Hazard.	AVR1:0 [V]
R529	Open	No Hazard.	AVR1:*
R530	Open	No Hazard.	AVR1:*
R540	Open	No Hazard.	AVR1:*
R601	Open	No Hazard.	AVR1:0 [V]
R610	Open	No Hazard.	AVR1:0 [V]
R611	Open	No Hazard.	AVR1:0 [V]
R612	Open	No Hazard.	AVR1:0 [V]
R613	Open	No Hazard.	AVR1:*
R614	Open	No Hazard.	AVR1:*
R615	Open	No Hazard.	AVR1:0 [V]
R616	Open	No Hazard.	AVR1:0 [V]
R701	Open	No Hazard.	AVR1:*
R702	Open	No Hazard.	AVR1:*
R703	Open	No Hazard.	AVR1:0 [V]
R704	Open	No Hazard.	AVR1:0 [V]
R705	Open	No Hazard.	AVR1:*
R707	Open	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode	Comment	Output Voltage (V)
R708	Open	No Hazard.	AVR1:*
R709	Open	No Hazard.	AVR1:*
R711	Open	No Hazard.	AVR1:0 [V]
R720	Open	No Hazard.	AVR1:*
R721	Open	No Hazard.	AVR1:0 [V]
R722	Open	No Hazard.	AVR1:*
R723	Open	No Hazard.	AVR1:0 [V]
R724	Open	No Hazard.	AVR1:*
R725	Open	No Hazard.	AVR1:*
R726	Open	No Hazard.	AVR1:0 [V]
R727	Open	No Hazard.	AVR1:0 [V]
R728	Open	No Hazard.	AVR1:*
R729	Open	No Hazard.	AVR1:*
R730	Open	No Hazard.	AVR1:*
R731	Open	No Hazard.	AVR1:*
R732	Open	No Hazard.	AVR1:0 [V]
R801	Open	No Hazard.	AVR1:0 [V]
R802	Open	No Hazard.	AVR1:0 [V]
R803	Open	No Hazard.	AVR1:0 [V]
R804	Open	No Hazard.	AVR1:0 [V]
R805	Open	No Hazard.	AVR1:0 [V]
R806	Open	No Hazard.	AVR1:0 [V]
R807	Open	No Hazard.	AVR1:0 [V]
R808	Open	No Hazard.	AVR1:0 [V]

F M E A

Component	Mode	Comment	Output Voltage (V)
R809	Open	No Hazard.	AVR1:0 [V]
R815	Open	No Hazard.	AVR1:0 [V]
R816	Open	No Hazard.	AVR1:0 [V]
R818	Open	No Hazard.	AVR1:0 [V]
R819	Open	No Hazard.	AVR1:*
R824	Open	No Hazard.	AVR1:*
R825	Open	No Hazard.	AVR1:0 [V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C101	Short		No Hazard.	AVR1:0 [V]
C102	Short		No Hazard.	AVR1:0 [V]
C103	Short		No Hazard.	AVR1:0 [V]
C104	Short		No Hazard.	AVR1:0 [V]
C105	Short		No Hazard.	AVR1:0 [V]
C106	Short		No Hazard.	AVR1:0 [V]
C109	Short		No Hazard.	AVR1:0 [V]
IC201	Short	1-2	No Hazard.	AVR1:0 [V]
IC202	Short	1-2	No Hazard.	AVR1:0 [V]
IC431	Open	5	No Hazard.	AVR1:0 [V]
	Short	2-3	No Hazard.	AVR1:0 [V]
		3-4	No Hazard.	AVR1:0 [V]
		6-7	No Hazard.	AVR1:0 [V]
IC601	Short	2-3	No Hazard.	AVR1:0 [V]
TR101	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR102	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR102	Short	S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR103	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR104	Open	D	No Hazard.	AVR1:0 [V]
		S	No Hazard.	AVR1:0 [V]
		G	No Hazard.	AVR1:0 [V]
	Short	D-S	No Hazard.	AVR1:0 [V]
		S-G	No Hazard.	AVR1:0 [V]
		G-D	No Hazard.	AVR1:0 [V]
TR451 (1)	Short	C-E	No Hazard.	AVR1:0 [V]
		B-C	No Hazard.	AVR1:0 [V]
R111	Open		No Hazard.	AVR1:0 [V]
R112	Open		No Hazard.	AVR1:0 [V]
R113	Open		No Hazard.	AVR1:0 [V]
R114	Open		No Hazard.	AVR1:0 [V]
R120	Open		No Hazard.	AVR1:0 [V]
R201	Open		No Hazard.	AVR1:0 [V]
R202	Open		No Hazard.	AVR1:0 [V]