

## ABNORMAL TEST RESULT

OF MODEL CQHS3004850, 32

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 : 2/37 ~ 32/37)

( Abnormal Test Result: 33/37 ~ 37/37)

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)
C11	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C12	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C13	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C14	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C15	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C16	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C17	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C18	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C19	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	Normal operation.	
	Short	Normal operation.	
C53	Open	Normal operation.	
	Short	See 33 Page.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C60	Open	See 33 Page.	
	Short	Normal operation.	
C61	Open	See 33 Page.	
	Short	Normal operation.	
C81	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C82	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C83	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C84	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C85	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C86	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C87	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C88	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C89	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C101	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
C102	Open	See 33 Page.	
	Short	Normal operation.	
C103	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C104	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C111	Open	Normal operation.	
	Short	Normal operation.	
C112	Open	Normal operation.	
	Short	Normal operation.	
C121	Open	Normal operation.	
	Short	Normal operation.	
C122	Open	Normal operation.	
	Short	Normal operation.	
C131	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C151	Open	No Hazard.	AVR1:0
	Short	See 33 Page.	
C152	Open	See 33 Page.	
	Short	See 33 Page.	
C181	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C182	Open	See 33 Page.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C184	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C185	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C186	Open	Normal operation.	
	Short	See 33 Page.	
C187	Open	See 33 Page.	
	Short	Normal operation.	
C188	Open	See 33 Page.	
	Short	Normal operation.	
C201	Open	Normal operation.	
	Short	See 33 Page.	
C202	Open	See 33 Page.	
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	
	Short	See 33 Page.	
C221	Open	See 33 Page.	
	Short	No Hazard.	AVR1:0
C301	Open	Normal operation.	
	Short	See 33 Page.	
C302	Open	See 33 Page.	
	Short	No Hazard.	AVR1:0
C303	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
C305	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C306	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C307	Open	Normal operation.	
	Short	Normal operation.	
C331	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C332	Open	Normal operation.	
	Short	Normal operation.	
C351	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C352	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C353	Open	Normal operation.	
	Short	Normal operation.	
C354	Open	Normal operation.	
	Short	Normal operation.	
C401	Open	Normal operation.	
	Short	Normal operation.	
C402	Open	Normal operation.	
	Short	Normal operation.	
C403	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C451	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C452	Open	Normal operation.	
	Short	Normal operation.	
C453	Open	Normal operation.	
	Short	See 33 Page.	
C454	Open	Normal operation.	
	Short	See 33 Page.	
C701	Open	See 33 Page.	
	Short	Normal operation.	
C702	Open	See 33 Page.	
	Short	Normal operation.	
C703	Open	Normal operation.	
	Short	See 33 Page.	
C705	Open	Normal operation.	
	Short	See 33 Page.	
C751	Open	Normal operation.	
	Short	Normal operation.	
C752	Open	Normal operation.	
	Short	See 33 Page.	
C761	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C762	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C801	Open	Normal operation.	
	Short	Normal operation.	
C802	Open	Normal operation.	
	Short	Normal operation.	
C803	Open	Normal operation.	
	Short	Normal operation.	
C804	Open	Normal operation.	
	Short	Normal operation.	
C811	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C812	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C813	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C821	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C822	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C831	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C832	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C833	Open	Normal operation.	
	Short	No Hazard.	AVR1:0



## F M E A

Component	Mode	Comment	Output Voltage (V)
C834	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C851	Open	Normal operation.	
	Short	Normal operation.	
C852	Open	Normal operation.	
	Short	Normal operation.	
C853	Open	Normal operation.	
	Short	Normal operation.	
C854	Open	Normal operation.	
	Short	Normal operation.	
C855	Open	Normal operation.	
	Short	Normal operation.	
C856	Open	Normal operation.	
	Short	Normal operation.	
C857	Open	Normal operation.	
	Short	Normal operation.	
C858	Open	Normal operation.	
	Short	Normal operation.	
C901	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D51	Open	Normal operation.	
	Short	Normal operation.	
D61	Open	Normal operation.	
	Short	Normal operation.	

# F M E A

Component	Mode	Comment	Output Voltage (V)
D121	Open	Normal operation.	
	Short	Normal operation.	
D122	Open	Normal operation.	
	Short	Normal operation.	
D151	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D181	Open	See 34 Page.	
	Short	See 34 Page.	
D182	Open	See 34 Page.	
	Short	See 34 Page.	
D183	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D201	Open	See 34 Page.	
	Short	Normal operation.	
D202	Open	See 34 Page.	
	Short	Normal operation.	
D222	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D223	Open	Normal operation.	
	Short	Normal operation.	
D331	Open	See 34 Page.	
	Short	No Hazard.	AVR1:0
D351	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
D701	Open		Normal operation.	
	Short		Normal operation.	
D702	Open		See 34 Page.	
	Short		See 34 Page.	
D703	Open		Normal operation.	
	Short		Normal operation.	
D704	Open		See 34 Page.	
	Short		See 34 Page.	
D751	Open		See 34 Page.	
	Short		See 34 Page.	
D752	Open		Normal operation.	
	Short		Normal operation.	
D823	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
IC201	Open	1	Normal operation.	
		2	Normal operation.	
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC301	Open	1	See 34 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	
		5	No Hazard.	AVR1:0
		6	Normal operation.	
		7	No Hazard.	AVR1:0
		8	Normal operation.	
		9	No Hazard.	AVR1:0
		10	Normal operation.	
		11	Normal operation.	
		12	Normal operation.	
		13	Normal operation.	
		14	No Hazard.	AVR1:0
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
		17	Normal operation.	
		18	No Hazard.	AVR1:0
		19	Normal operation.	
		20	No Hazard.	AVR1:0
	Short	1-2	See 34 Page.	
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	Normal operation.	
		10-11	No Hazard.	AVR1:0
		11-12	Normal operation.	
		12-13	Normal operation.	
		13-14	Normal operation.	
		14-15	Output voltage decreased. No hazard.	AVR1:decreased
		15-16	No Hazard.	AVR1:0
		16-17	Normal operation.	
		17-18	No Hazard.	AVR1:0
		18-19	No Hazard.	AVR1:0
		19-20	No Hazard.	AVR1:0
IC302	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC302	Short	3-4	No Hazard.	AVR1:0
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	No Hazard.	AVR1:0
IC303	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	See 34 Page.	
		4-5	No Hazard.	AVR1:0
IC401	Open	1	See 34 Page.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
	Short	1-2	See 34 Page.	
		2-3	Normal operation.	
		3-4	Normal operation.	
IC801	Open	1	No Hazard.	AVR1:0

# F M E A

Component	Mode		Comment	Output Voltage (V)
IC801	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC802	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	R-K	Normal operation.	
		R-A	No Hazard.	AVR1:0
		A-K	No Hazard.	AVR1:0
L11	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L221	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L222	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L501	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
PC321	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
PC321	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
SS221	Open	k	No Hazard.	AVR1:0
		A1 (T5側)	No Hazard.	AVR1:0
		A2 (T6側)	No Hazard.	AVR1:0
	Short	A1-A2	No Hazard.	AVR1:0
		K-A1	No Hazard.	AVR1:0
		K-A2	No Hazard.	AVR1:0
T11	Open	1	Normal operation.	
		3	Normal operation.	
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-3	Normal operation.	
		1-7	Normal operation.	
		3-8	Normal operation.	
T101	Open	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
	Short	1-2	See 34 Page.	
		2-3	Normal operation.	
		3-4	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)	
T101	Short	4-5	Normal operation.		
		5-6	No Hazard.	AVR1:0	
T151	Open	1	No Hazard.	AVR1:0	
		2	No Hazard.	AVR1:0	
		3	No Hazard.	AVR1:0	
		4	No Hazard.	AVR1:0	
	Short	1-2	No Hazard.	AVR1:0	
		2-3	Normal operation.		
		3-4	No Hazard.	AVR1:0	
T152	Open	1	See 34 Page.		
		2	See 34 Page.		
		3	Normal operation.		
		4	Normal operation.		
		5	See 34 Page.		
		6	See 34 Page.		
	Short	1-2	See 35 Page.		
		2-3	Normal operation.		
		3-4	See 35 Page.		
		4-5	No Hazard.	AVR1:0	
		5-6	See 35 Page.		
	TH11	Open		Normal operation.	
		Short		Normal operation.	
	TR11	Open	D	Normal operation.	
S			Normal operation.		

F M E A

Component	Mode		Comment	Output Voltage (V)
TR11	Open	G	No Hazard.	AVR1:0
	Short	D-S	See 35 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 35 Page.	
TR12	Open	D	Normal operation.	
		S	Normal operation.	
		G	No Hazard.	AVR1:0
	Short	D-S	See 35 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 35 Page.	
TR51	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See 35 Page.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See 35 Page.	
		G-D	No Hazard.	AVR1:0
TR71	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR72	Open	D	Normal operation.	
		S	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR72	Open	G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See 35 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 35 Page.	
TR102	Open	D	See 35 Page.	
		S	See 35 Page.	
		G	See 35 Page.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See 35 Page.	
		G-D	No Hazard.	AVR1:0
TR121	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR151	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR151	Open	B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR152	Open	C	See 35 Page.	
		E	See 35 Page.	
		B	See 35 Page.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	See 35 Page.	
		B-C	No Hazard.	AVR1:0
TR181	Open	D	See 35 Page.	
		S	See 35 Page.	
		G	See 35 Page.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See 35 Page.	
		G-D	No Hazard.	AVR1:0
TR182	Open	C	See 35 Page.	
		E	See 36 Page.	
		B	See 36 Page.	
	Short	C-E	See 36 Page.	
		E-B	See 36 Page.	
		B-C	See 36 Page.	
TR183	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR183	Open	G	No Hazard.	AVR1:0
	Short	D-S	See 36 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 36 Page.	
TR201	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 36 Page.	
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR202	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR221	Open	C	See 36 Page.	
		E	See 36 Page.	
		B	See 36 Page.	
	Short	C-E	Normal operation.	
		E-B	See 36 Page.	
		B-C	No Hazard.	AVR1:0
TR301	Open	6-C	Normal operation.	
		1-E	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR301	Open	2-B	Normal operation.	
		3-C	Normal operation.	
		4-E	Normal operation.	
		5-B	Normal operation.	
	Short	6-C-1-E	No Hazard.	AVR1:0
		1-E-2-B	Normal operation.	
		2-B-6-C	No Hazard.	AVR1:0
		3-C-4-E	No Hazard.	AVR1:0
		4-E-5-B	Normal operation.	
		5-B-3-C	No Hazard.	AVR1:0
		2-B-3-C	Normal operation.	
		5-B-6-C	Normal operation.	
TR321	Open	6-C	No Hazard.	AVR1:0
		1-E	No Hazard.	AVR1:0
		2-B	No Hazard.	AVR1:0
		3-C	Normal operation.	
		4-E	No Hazard.	AVR1:0
		5-B	No Hazard.	AVR1:0
	Short	6-C-1-E	Normal operation.	
		1-E-2-B	No Hazard.	AVR1:0
		2-B-6-C	Normal operation.	
		3-C-4-E	Normal operation.	
		4-E-5-B	Normal operation.	
		5-B-3-C	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR321	Short	2-B-3-C	Normal operation.	
		5-B-6-C	Normal operation.	
TR331	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR351	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR352	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR401	Open	6-C	Normal operation.	
		1-E	Normal operation.	
		2-B	Normal operation.	
		3-C	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR401	Open	4-E	No Hazard.	AVR1:0
		5-B	No Hazard.	AVR1:0
	Short	6-C-1E	No Hazard.	AVR1:0
		1-E-2-B	Normal operation.	
		2-B-6-C	No Hazard.	AVR1:0
		3-C-4-E	Normal operation.	
		4-E-5-B	No Hazard.	AVR1:0
		5-B-3-C	Normal operation.	
		2-B-3-C	Normal operation.	
		5-B-6-C	Normal operation.	
TR451	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	
TR452	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	
TR453	Open	D	Normal operation.	
		S	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR453	Open	G	Normal operation.	
	Short	D-S	See 36 Page.	
		S-G	Normal operation.	
		G-D	See 36 Page.	
TR454	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR701	Open	D	See 36 Page.	
		S	See 36 Page.	
		G	See 36 Page.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	See 36 Page.	
		G-D	See 36 Page.	
TR751	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	See 36 Page.	
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR901	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR901	Open	B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	See 36 Page.	
ZD101	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD201	Open		See 36 Page.	
	Short		Normal operation.	
ZD221	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD701	Open		Normal operation.	
	Short		See 36 Page.	
ZD751	Open		Normal operation.	
	Short		Normal operation.	
ZD821	Open		Normal operation.	
	Short		No Hazard.	
ZD822	Open		Normal operation.	
	Short		No Hazard.	
ZD901	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
R11	Open		No Hazard.	AVR1:0
R12	Open		No Hazard.	AVR1:0
R13	Open		Normal operation.	
R51	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R52	Open	See 36 Page.	
R62	Open	Normal operation.	
R63	Open	Normal operation.	
R64	Open	Normal operation.	
R65	Open	Normal operation.	
R66	Open	Normal operation.	
R67	Open	Normal operation.	
R68	Open	Normal operation.	
R69	Open	Normal operation.	
R71	Open	Normal operation.	
R72	Open	Normal operation.	
R73	Open	Normal operation.	
R101	Open	Normal operation.	
R102	Open	Normal operation.	
R103	Open	Normal operation.	
R104	Open	Normal operation.	
R105	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	Normal operation.	
R121	Open	Normal operation.	
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R124	Open	Normal operation.	
R126	Open	Normal operation.	

## F M E A

Component	Mode	Comment	Output Voltage (V)
R127	Open	Normal operation.	
R151	Open	No Hazard.	AVR1:0
R152	Open	See 37 Page.	
R181	Open	See 37 Page.	
R182	Open	Normal operation.	
R183	Open	See 37 Page.	
R184	Open	See 37 Page.	
R185	Open	Normal operation.	
R186	Open	Normal operation.	
R187	Open	Normal operation.	
R188	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	Normal operation.	
R209	Open	No Hazard.	AVR1:0
R210	Open	See 37 Page.	
R211	Open	No Hazard.	AVR1:0
R220	Open	Normal operation.	
R221	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R224	Open	No Hazard.	AVR1:0
R225	Open	No Hazard.	AVR1:0
R226	Open	See 37 Page.	
R301	Open	No Hazard.	AVR1:0
R302	Open	Normal operation.	
R303	Open	Normal operation.	
R304	Open	Normal operation.	
R312	Open	Normal operation.	
R313	Open	No Hazard.	AVR1:0
R316	Open	No Hazard.	AVR1:0
R317	Open	Normal operation.	
R321	Open	No Hazard.	AVR1:0
R322	Open	Normal operation.	
R323	Open	No Hazard.	AVR1:0
R324	Open	Normal operation.	
R325	Open	Normal operation.	
R331	Open	No Hazard.	AVR1:0
R332	Open	No Hazard.	AVR1:0
R333	Open	No Hazard.	AVR1:0
R334	Open	Normal operation.	
R335	Open	No Hazard.	AVR1:0
R336	Open	Normal operation.	

## F M E A

Component	Mode	Comment	Output Voltage (V)
R337	Open	Normal operation.	
R351	Open	No Hazard.	AVR1:0
R352	Open	No Hazard.	AVR1:0
R353	Open	Normal operation.	
R354	Open	Normal operation.	
R356	Open	Normal operation.	
R357	Open	Normal operation.	
R358	Open	Normal operation.	
R359	Open	Normal operation.	
R360	Open	Normal operation.	
R401	Open	No Hazard.	AVR1:0
R402	Open	No Hazard.	AVR1:0
R403	Open	No Hazard.	AVR1:0
R404	Open	Normal operation.	
R405	Open	Normal operation.	
R406	Open	Normal operation.	
R407	Open	Normal operation.	
R451	Open	No Hazard.	AVR1:0
R452	Open	No Hazard.	AVR1:0
R453	Open	No Hazard.	AVR1:0
R454	Open	Normal operation.	
R455	Open	No Hazard.	AVR1:0
R456	Open	No Hazard.	AVR1:0
R457	Open	Normal operation.	

## F M E A

Component	Mode	Comment	Output Voltage (V)
R458	Open	Normal operation.	
R459	Open	See . 37 Page.	
R460	Open	Normal operation.	
R701	Open	Normal operation.	
R702	Open	See 37 Page.	
R703	Open	See 37 Page.	
R711	Open	Normal operation.	
R712	Open	Normal operation.	
R713	Open	Normal operation.	
R714	Open	Normal operation.	
R715	Open	Normal operation.	
R752	Open	Normal operation.	
R753	Open	Normal operation.	
R801	Open	No Hazard.	
R802	Open	No Hazard.	AVR1:0
R803	Open	No Hazard.	
R811	Open	Normal operation.	
R812	Open	No Hazard.	AVR1:0
R813	Open	No Hazard.	AVR1:0
R814	Open	No Hazard.	AVR1:0
R815	Open	No Hazard.	AVR1:0
R821	Open	No Hazard.	AVR1:0
R822	Open	No Hazard.	AVR1:0
R823	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R824	Open	No Hazard.	AVR1:0
R825	Open	No Hazard.	AVR1:0
R826	Open	No Hazard.	AVR1:0
R827	Open	Normal operation.	
R828	Open	No Hazard.	AVR1:0
R829	Open	No Hazard.	AVR1:0
R830	Open	Normal operation.	
R831	Open	No Hazard.	AVR1:0
R832	Open	No Hazard.	AVR1:0
R851	Open	Normal operation.	
R852	Open	Normal operation.	
R901	Open	Normal operation.	
R902	Open	Normal operation.	
R903	Open	Normal operation.	
R904	Open	No Hazard.	AVR1:0
R905	Open	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
C53	Short	Normal operation.	
C60	Open	Normal operation.	
C61	Open	Normal operation.	
C102	Open	No Hazard.	AVR1:0
C151	Short	Output voltage decreased. No hazard.	AVR1:decreased
C152	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C182	Open	Normal operation.	
C186	Short	Normal operation.	
C187	Open	Normal operation.	
C188	Open	Normal operation.	
C201	Short	Normal operation.	
C202	Open	Normal operation.	
C203	Short	No Hazard.	AVR1:0
C221	Open	Normal operation.	
C301	Short	No Hazard.	AVR1:0
C302	Open	Normal operation.	
C453	Short	No Hazard.	AVR1:0
C454	Short	No Hazard.	AVR1:0
C701	Open	No Hazard.	AVR1:0
C702	Open	No Hazard.	AVR1:0
C703	Short	No Hazard.	AVR1:0
C705	Short	No Hazard.	AVR1:0
C752	Short	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
D181	Open		Normal operation.	
	Short		Normal operation.	
D182	Open		Normal operation.	
	Short		Normal operation.	
D201	Open		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
D331	Open		Normal operation.	
D702	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D704	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D751	Open		Normal operation.	
	Short		Normal operation.	
IC301	Open	1	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
IC303	Short	3-4	No Hazard.	AVR1:0
IC401	Open	1	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
T101	Short	1-2	No Hazard.	AVR1:0
T152	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0

# ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
T152	Short	1-2	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR11	Short	D-S	External fuse opened, No hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR12	Short	D-S	External fuse opened, No hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR51	Open	G	Normal operation.	
	Short	S-G	Normal operation.	
TR101	Short	D-S	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR102	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	S-G	No Hazard.	AVR1:0
TR152	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	E-B	No Hazard.	AVR1:0
TR181	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	S-G	Normal operation.	
TR182	Open	C	Normal operation.	

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR182	Open	E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR183	Short	D-S	Normal operation.	
		G-D	Normal operation.	
TR201	Short	C-E	No Hazard.	AVR1:0
TR221	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	E-B	No Hazard.	AVR1:0
TR453	Short	D-S	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR701	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	S-G	No Hazard.	AVR1:0
		G-D	Normal operation.	
TR751	Short	D-S	No Hazard.	AVR1:0
TR901	Short	B-C	Normal operation.	
ZD201	Open		No Hazard.	AVR1:0
ZD701	Short		No Hazard.	AVR1:0
R52	Open		Normal operation.	

ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
R152	Open	Output voltage decreased. No hazard.	AVR1:decreased
R181	Open	Normal operation.	
R183	Open	Normal operation.	
R184	Open	Normal operation.	
R210	Open	Output voltage decreased. No hazard.	AVR1:decreased
R226	Open	No Hazard.	AVR1:0
R459	Open	No Hazard.	AVR1:0
R702	Open	No Hazard.	AVR1:0
R703	Open	No Hazard.	AVR1:0