

ABNORMAL TEST RESULT

OF MODEL BRDS120

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 : 2/26 ~ 24/26)
(Abnormal Test Result: 25/26 ~ 26/26)

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	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C101	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C102	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C103	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C104	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C105	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C106	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C107	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C108	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C110	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C111	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C112	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C113	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C114	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C115	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C116	Open	Nomal operation.	AVR1:*
	Short	External Fuse opend, No hazard	AVR1:0
C117	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C118	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C119	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C120	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C121	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C122	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C123	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:0
C131	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C132	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C133	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:0
C141	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C151	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C201	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C202	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C203	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C204	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C205	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C206	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C207	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C208	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C209	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C301	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C302	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C303	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C304	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C305	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C306	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C307	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C308	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:0
C310	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C311	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C312	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C313	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:decreased
C314	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:Increased
C315	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:Increased
C316	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:Increased
C400	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C401	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:*
C402	Open	No hazard	AVR1:*
	Short	No hazard	AVR1:0
C403	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C404	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C405	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0
C406	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C500	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C501	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:*
C502	Open	No hazard	AVR1:*
	Short	No hazard	AVR1:0
C503	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C504	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C506	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
C602	Open	Nomal operation.	AVR1:*
	Short	No hazard	AVR1:*
CN1	Open	No hazard	AVR1:0
CN2	Open	No hazard	AVR1:*
CN3	Open	No hazard	AVR1:*
CN4	Open	No hazard	AVR1:*
CN5	Open	No hazard	AVR1:*
CN6	Open	No hazard	AVR1:0
CN7	Open	No hazard	AVR1:*
CN8	Open	No hazard	AVR1:*
CN9	Open	No hazard	AVR1:*
CN10	Open	No hazard	AVR1:*
CN11	Open	No hazard	AVR1:*
CN12	Open	No hazard	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
CN13	Open		No hazard	AVR1:decreased
CN14	Open		No hazard	AVR1:0
CN15	Open		No hazard	AVR1:*
CN16	Open		No hazard	AVR1:*
CN17	Open		No hazard	AVR1:*
CN18	Open		No hazard	AVR1:*
CN19	Open		No hazard	AVR1:*
CN20	Open		No hazard	AVR1:*
D201	Open	1	Nomal operation.	AVR1:*
		2	No hazard	AVR1:*
		3	No hazard	AVR1:*
	Short	1-2	No hazard	AVR1:*
		2-3	No hazard	AVR1:*
		1-3	Nomal operation.	AVR1:*
IC101	Open	1	No hazard	AVR1:0
		2	No hazard	AVR1:0
		3	Nomal operation.	AVR1:*
		4	Nomal operation.	AVR1:*
		5	Nomal operation.	AVR1:*
		6	No hazard	AVR1:*
		7	No hazard	AVR1:0
		8	Nomal operation.	AVR1:*
	Short	1-2	No hazard	AVR1:*
		2-3	Nomal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Short	3-4	No hazard	AVR1:*
		5-6	No hazard	AVR1:*
		6-7	No hazard	AVR1:*
		7-8	Nomal operation.	AVR1:*
IC102	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
		7	No hazard	AVR1:0
		8	No hazard	AVR1:0
	Short	1-2	Nomal operation.	AVR1:*
		2-3	No hazard	AVR1:0
		3-4	Nomal operation.	AVR1:*
		4-5	No hazard	AVR1:0
		5-6	Nomal operation.	AVR1:*
		6-7	Nomal operation.	AVR1:*
IC121	Open	1	No hazard	AVR1:0
		2	No hazard	AVR1:0
		3	No hazard	AVR1:*
		4	No hazard	AVR1:0
		5	No hazard	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC121	Open	6	No hazard	AVR1:0
		7	No hazard	AVR1:0
		8	No hazard	AVR1:0
	Short	1-2	No hazard	AVR1:0
		2-3	No hazard	AVR1:0
		3-4	No hazard	AVR1:0
		5-6	No hazard	AVR1:0
		6-7	No hazard	AVR1:0
		7-8	No hazard	AVR1:0
	IC131	Open	1	No hazard
2			No hazard	AVR1:0
3			No hazard	AVR1:*
4			No hazard	AVR1:0
5			No hazard	AVR1:*
6			No hazard	AVR1:0
7			No hazard	AVR1:0
8			No hazard	AVR1:0
Short		1-2	No hazard	AVR1:0
		2-3	No hazard	AVR1:0
		3-4	No hazard	AVR1:0
		5-6	No hazard	AVR1:0
		6-7	No hazard	AVR1:0
		7-8	No hazard	AVR1:0
IC301	Open	1	No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)	
IC301	Open	2	No hazard	AVR1:0
		3	No hazard	AVR1:*
		4	No hazard	AVR1:0
		5	No hazard	AVR1:0
		6	No hazard	AVR1:*
		7	No hazard	AVR1:*
		8	No hazard	AVR1:*
		9	No hazard	AVR1:0
		10	No hazard	AVR1:0
		11	No hazard	AVR1:*
		12	No hazard	AVR1:*
		13	No hazard	AVR1:*
		14	No hazard	AVR1:*
		15	No hazard	AVR1:0
		16	No hazard	AVR1:*
		17	No hazard	AVR1:0
		18	No hazard	AVR1:*
		19	No hazard	AVR1:0
		20	No hazard	AVR1:*
		21	No hazard	AVR1:*
		22	No hazard	AVR1:*
		23	No hazard	AVR1:*
		24	No hazard	AVR1:*
		25	No hazard	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)	
IC301	Open	26	No hazard	AVR1:0
		27	No hazard	AVR1:0
		28	No hazard	AVR1:0
		29	No hazard	AVR1:0
		30	No hazard	AVR1:*
		31	No hazard	AVR1:Increased
		32	No hazard	AVR1:Increased
		33	No hazard	AVR1:Increased
		34	No hazard	AVR1:*
		35	No hazard	AVR1:0
		36	No hazard	AVR1:0
		37	No hazard	AVR1:0
		38	No hazard	AVR1:0
		39	No hazard	AVR1:*
	40	No hazard	AVR1:*	
	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
		5-6	No hazard	AVR1:0
6-7		No hazard	AVR1:*	
	7-8	No hazard	AVR1:*	
	8-9	No hazard	AVR1:*	
	9-10	No hazard	AVR1:0	



F M E A

Component	Mode	Comment	Output Voltage (V)	
IC301	Short	10-11	No hazard	AVR1:*
		11-12	No hazard	AVR1:*
		12-13	No hazard	AVR1:*
		13-14	No hazard	AVR1:*
		14-15	No hazard	AVR1:*
		15-16	No hazard	AVR1:*
		16-17	No hazard	AVR1:*
		17-18	No hazard	AVR1:*
		18-19	No hazard	AVR1:0
		19-20	No hazard	AVR1:*
		20-21	No hazard	AVR1:*
		21-22	No hazard	AVR1:*
		22-23	No hazard	AVR1:*
		23-24	No hazard	AVR1:*
		24-25	No hazard	AVR1:*
		25-26	No hazard	AVR1:0
		26-27	No hazard	AVR1:0
		27-28	No hazard	AVR1:0
		28-29	No hazard	AVR1:0
		29-30	No hazard	AVR1:*
30-31	No hazard	AVR1:decreased		
31-32	No hazard	AVR1:0		
32-33	No hazard	AVR1:decreased		
33-34	No hazard	AVR1:Increased		



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Short	34-35	No hazard	AVR1: decreased or increased
		35-36	No hazard	AVR1:*
		36-37	No hazard	AVR1:*
		37-38	No hazard	AVR1: decreased
		38-39	No hazard	AVR1: decreased
		39-40	No hazard	AVR1:*
		40-1	No hazard	AVR1:*
IC302	Open	1	No hazard	AVR1: Increased
		2	No hazard	AVR1: decreased or increased
		3	No hazard	AVR1: decreased or increased
		4	No hazard	AVR1: Increased
		5	No hazard	AVR1: decreased or increased
		6	No hazard	AVR1: decreased or increased
		7	No hazard	AVR1: decreased or increased
		8	No hazard	AVR1: Increased
	Short	1-2	No hazard	AVR1: Increased
		2-3	No hazard	AVR1: Increased
		3-4	No hazard	AVR1: Increased
		5-6	No hazard	AVR1: Increased
		6-7	No hazard	AVR1: Increased
		7-8	No hazard	AVR1: decreased
IC401	Open	1	No hazard	AVR1:*
		2	No hazard	AVR1: 0
		3	No hazard	AVR1: 0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Open	4	No hazard	AVR1:*
		5	No hazard	AVR1:0
		6	No hazard	AVR1:0
		7	No hazard	AVR1:*
		8	No hazard	AVR1:*
	Short	1-2	No hazard	AVR1:*
		2-3	No hazard	AVR1:*
		3-4	No hazard	AVR1:*
		5-6	No hazard	AVR1:*
		6-7	No hazard	AVR1:*
		7-8	No hazard	AVR1:0
IC602	Open	1	No hazard	AVR1:*
		2	No hazard	AVR1:*
		3	No hazard	AVR1:*
		4	No hazard	AVR1:*
		5	No hazard	AVR1:*
		6	No hazard	AVR1:*
	Short	1-2	No hazard	AVR1:*
		2-3	No hazard	AVR1:*
		3-4	No hazard	AVR1:*
		5-6	No hazard	AVR1:*
L101	Open	No hazard	AVR1:0	
	Short	No hazard	AVR1:0	
L141	Open	No hazard	AVR1:0	



F M E A

Component	Mode	Comment	Output Voltage (V)
L141	Short	No hazard	AVR1:0
L151	Open	No hazard	AVR1:0
	Short	No hazard	AVR1:0
R101	Open	No hazard	AVR1:0
R102	Open	Nomal operation.	AVR1:*
R104	Open	No hazard	AVR1:0
R105	Open	Nomal operation.	AVR1:*
R120	Open	Output voltage increased. No hazard.	AVR1:Increased
R121	Open	Output voltage increased. No hazard.	AVR1:Increased
R122	Open	Output voltage increased. No hazard.	AVR1:Increased
R123	Open	Output voltage increased. No hazard.	AVR1:Increased
R124	Open	Nomal operation.	AVR1:*
R125	Open	Nomal operation.	AVR1:*
R130	Open	Output voltage increased. No hazard.	AVR1:Increased
R131	Open	Output voltage increased. No hazard.	AVR1:Increased
R132	Open	Output voltage increased. No hazard.	AVR1:Increased
R133	Open	Output voltage increased. No hazard.	AVR1:Increased
R134	Open	Nomal operation.	AVR1:*
R135	Open	Nomal operation.	AVR1:*
R141	Open	Nomal operation.	AVR1:*
R201	Open	No hazard	AVR1:0
R202	Open	No hazard	AVR1:*
R203	Open	No hazard	AVR1:*
R204	Open	No hazard	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R205	Open	Nomal operation.	AVR1:*
R206	Open	No hazard	AVR1:0
R207	Open	No hazard	AVR1:0
R208	Open	No hazard	AVR1:0
R209	Open	No hazard	AVR1:*
R210	Open	No hazard	AVR1:0
R211	Open	No hazard	AVR1:0
R212	Open	No hazard	AVR1:*
R213	Open	No hazard	AVR1:0
R214	Open	No hazard	AVR1:*
R215	Open	No hazard	AVR1:0
R216	Open	No hazard	AVR1:0
R217	Open	No hazard	AVR1:0
R218	Open	No hazard	AVR1:0
R219	Open	No hazard	AVR1:0
R220	Open	Nomal operation.	AVR1:*
R221	Open	Nomal operation.	AVR1:*
R222	Open	Nomal operation.	AVR1:*
R224	Open	No hazard	AVR1:0
R225	Open	No hazard	AVR1:*
R301	Open	No hazard	AVR1:Increased
R302	Open	No hazard	AVR1:decreased
R303	Open	No hazard	AVR1:decreased
R304	Open	No hazard	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
R306	Open	No hazard	AVR1: Increased
R307	Open	No hazard	AVR1: decreased
R308	Open	No hazard	AVR1: Increased
R309	Open	No hazard	AVR1: Increased
R310	Open	No hazard	AVR1: Increased
R311	Open	No hazard	AVR1: decreased
R313	Open	No hazard	AVR1: Increased
R314	Open	No hazard	AVR1: decreased
R315	Open	No hazard	AVR1: Increased
R316	Open	No hazard	AVR1: Increased
R317	Open	No hazard	AVR1: Increased
R318	Open	No hazard	AVR1: Increased
R319	Open	No hazard	AVR1: decreased
R320	Open	No hazard	AVR1: 0
R321	Open	No hazard	AVR1: 0
R322	Open	Nomal operation.	AVR1: *
R331	Open	No hazard	AVR1: 0
R332	Open	No hazard	AVR1: 0
R333	Open	No hazard	AVR1: 0
R334	Open	No hazard	AVR1: Increased
R400	Open	Nomal operation.	AVR1: *
R401	Open	No hazard	AVR1: *
R402	Open	No hazard	AVR1: *
R403	Open	No hazard	AVR1: *



F M E A

Component	Mode	Comment	Output Voltage (V)
R404	Open	No hazard	AVR1:*
R405	Open	No hazard	AVR1:*
R406	Open	No hazard	AVR1:0
R407	Open	No hazard	AVR1:*
R408	Open	No hazard	AVR1:*
R409	Open	No hazard	AVR1:*
R410	Open	Nomal operation.	AVR1:*
R411	Open	No hazard	AVR1:0
R412	Open	No hazard	AVR1:*
R413	Open	No hazard	AVR1:*
R500	Open	Nomal operation.	AVR1:*
R501	Open	No hazard	AVR1:*
R502	Open	No hazard	AVR1:*
R503	Open	No hazard	AVR1:*
R504	Open	No hazard	AVR1:*
R505	Open	No hazard	AVR1:*
R506	Open	No hazard	AVR1:0
R507	Open	No hazard	AVR1:*
R508	Open	No hazard	AVR1:*
R509	Open	No hazard	AVR1:*
R510	Open	Nomal operation.	AVR1:*
R511	Open	No hazard	AVR1:0
R512	Open	No hazard	AVR1:*
R513	Open	No hazard	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)	
R603	Open	No hazard	AVR1:*	
TH221	Open	No hazard	AVR1:*	
	Short	No hazard	AVR1:0	
TH231	Open	No hazard	AVR1:*	
	Short	No hazard	AVR1:0	
TR121	Open	G(Hi)	See 25 Page.	
		D(Hi)	See 25 Page.	
		S(Hi), D(Lo)	See 25 Page.	
		G(Lo)	See 25 Page.	
		S(Lo)	See 25 Page.	
	Short	D(Hi)-S(Hi)	See 25 Page.	
		D(Hi)-S(Lo)	See 25 Page.	
		S(Hi)-G(Hi)	See 25 Page.	
		G(Hi)-D(Hi)	See 25 Page.	
		D(Lo)-S(Lo)	See 25 Page.	
		S(Lo)-G(Lo)	See 25 Page.	
		G(Lo)-D(Lo)	See 25 Page.	
TR122	Open	G(Hi)	See 25 Page.	
		D(Hi)	See 25 Page.	
		S(Hi), D(Lo)	See 25 Page.	
		G(Lo)	See 25 Page.	
		S(Lo)	See 25 Page.	
	Short	D(Hi)-S(Hi)	See 25 Page.	
		D(Hi)-S(Lo)	See 25 Page.	



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Component	Mode	Comment	Output Voltage (V)
TR122	Short	S(Hi)-G(Hi)	See 25 Page.
		G(Hi)-D(Hi)	See 25 Page.
		D(Lo)-S(Lo)	See 25 Page.
		S(Lo)-G(Lo)	See 25 Page.
		G(Lo)-D(Lo)	See 25 Page.
TR131	Open	G(Hi)	See 26 Page.
		D(Hi)	See 26 Page.
		S(Hi), D(Lo)	See 26 Page.
		G(Lo)	See 26 Page.
		S(Lo)	See 26 Page.
	Short	D(Hi)-S(Hi)	See 26 Page.
		D(Hi)-S(Lo)	See 26 Page.
		S(Hi)-G(Hi)	See 26 Page.
		G(Hi)-D(Hi)	See 26 Page.
		D(Lo)-S(Lo)	See 26 Page.
		S(Lo)-G(Lo)	See 26 Page.
		G(Lo)-D(Lo)	See 26 Page.
		TR132	Open
D(Hi)	See 26 Page.		
S(Hi), D(Lo)	See 26 Page.		
G(Lo)	See 26 Page.		
S(Lo)	See 26 Page.		
Short	D(Hi)-S(Hi)		See 26 Page.
	D(Hi)-S(Lo)		See 26 Page.



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Component	Mode	Comment	Output Voltage (V)	
TR132	Short	S(Hi)-G(Hi)	See 26 Page.	
		G(Hi)-D(Hi)	See 26 Page.	
		D(Lo)-S(Lo)	See 26 Page.	
		S(Lo)-G(Lo)	See 26 Page.	
		G(Lo)-D(Lo)	See 26 Page.	
TR201	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:*
TR202	Open	C	No hazard	AVR1:*
		E	No hazard	AVR1:*
		B	No hazard	AVR1:*
	Short	C-E	No hazard	AVR1:*
		E-B	No hazard	AVR1:*
		B-C	No hazard	AVR1:0
TR203	Open	C	No hazard	AVR1:0
		E	No hazard	AVR1:0
		B	No hazard	AVR1:0
	Short	C-E	No hazard	AVR1:*
		E-B	No hazard	AVR1:0
		B-C	No hazard	AVR1:*
TR501	Open	D(6)	No hazard	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR501	Open	S(1)	No hazard	AVR1:*
		G(2)	No hazard	AVR1:*
		D(3)	No hazard	AVR1:*
		S(4)	No hazard	AVR1:*
		G(5)	No hazard	AVR1:*
	Short	S(1)-G(2)	No hazard	AVR1:0
		G(2)-D(3)	No hazard	AVR1:*
		S(4)-G(5)	No hazard	AVR1:0
G(5)-D(6)		No hazard	AVR1:*	
ZD201	Open		No hazard	AVR1:*
	Short		No hazard	AVR1:0
ZD301	Open		No hazard	AVR1:*
	Short		No hazard	AVR1:Increased
ZD601	Open	1	Nomal operation.	AVR1:*
		2	Nomal operation.	AVR1:*
		3	Nomal operation.	AVR1:*
	Short	1-2	No hazard	AVR1:*
		2-3	No hazard	AVR1:*
		1-3	No hazard	AVR1:*
ZD602	Open		No hazard	AVR1:*
	Short		No hazard	AVR1:*
ZD603	Open	1	Nomal operation.	AVR1:*
		2	Nomal operation.	AVR1:*
		3	Nomal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
ZD603	Short	1-2	Nomal operation.	AVR1:*
		2-3	Nomal operation.	AVR1:*
		1-3	Nomal operation.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR121	Open	G(Hi)	Output voltage increased. No hazard.	AVR1: Increased
		D(Hi)	No hazard.	AVR1: 0
		S(Hi), D(Lo)	No hazard.	AVR1: *
		G(Lo)	Output voltage increased. No hazard.	AVR1: Increased
		S(Lo)	No hazard.	AVR1: 0
	Short	D(Hi)-S(Hi)	Output voltage increased. No hazard.	AVR1: Increased
		D(Hi)-S(Lo)	No hazard.	AVR1: 0
		S(Hi)-G(Hi)	No hazard.	AVR1: 0
		G(Hi)-D(Hi)	Output voltage increased. No hazard.	AVR1: Increased
		D(Lo)-S(Lo)	No hazard.	AVR1: 0
		S(Lo)-G(Lo)	No hazard.	AVR1: 0
		G(Lo)-D(Lo)	No hazard.	AVR1: 0
	TR122	Open	G(Hi)	Output voltage increased. No hazard.
D(Hi)			No hazard.	AVR1: 0
S(Hi), D(Lo)			No hazard.	AVR1: *
G(Lo)			Output voltage increased. No hazard.	AVR1: Increased
S(Lo)			No hazard.	AVR1: 0
Short		D(Hi)-S(Hi)	Output voltage increased. No hazard.	AVR1: Increased
		D(Hi)-S(Lo)	No hazard.	AVR1: 0
		S(Hi)-G(Hi)	No hazard.	AVR1: 0
		G(Hi)-D(Hi)	Output voltage increased. No hazard.	AVR1: Increased
		D(Lo)-S(Lo)	No hazard.	AVR1: *
		S(Lo)-G(Lo)	No hazard.	AVR1: *
		G(Lo)-D(Lo)	No hazard.	AVR1: *



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR131	Open	G(Hi)	Output voltage increased. No hazard.	AVR1:Increased
		D(Hi)	No hazard.	AVR1:0
		S(Hi), D(Lo)	No hazard.	AVR1:*
		G(Lo)	Output voltage increased. No hazard.	AVR1:Increased
		S(Lo)	No hazard.	AVR1:0
	Short	D(Hi)-S(Hi)	Output voltage increased. No hazard.	AVR1:Increased
		D(Hi)-S(Lo)	No hazard.	AVR1:0
		S(Hi)-G(Hi)	No hazard.	AVR1:0
		G(Hi)-D(Hi)	Output voltage increased. No hazard.	AVR1:Increased
		D(Lo)-S(Lo)	No hazard.	AVR1:0
		S(Lo)-G(Lo)	No hazard.	AVR1:0
		G(Lo)-D(Lo)	No hazard.	AVR1:0
	TR132	Open	G(Hi)	Output voltage increased. No hazard.
D(Hi)			No hazard.	AVR1:0
S(Hi), D(Lo)			No hazard.	AVR1:*
G(Lo)			Output voltage increased. No hazard.	AVR1:Increased
S(Lo)			No hazard.	AVR1:0
Short		D(Hi)-S(Hi)	Output voltage increased. No hazard.	AVR1:Increased
		D(Hi)-S(Lo)	No hazard.	AVR1:0
		S(Hi)-G(Hi)	No hazard.	AVR1:0
		G(Hi)-D(Hi)	Output voltage increased. No hazard.	AVR1:Increased
		D(Lo)-S(Lo)	No hazard.	AVR1:*
		S(Lo)-G(Lo)	No hazard.	AVR1:*
		G(Lo)-D(Lo)	No hazard.	AVR1:*