

ABNORMAL TEST RESULT

OF MODEL RBS30B

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 : 2/14 ~ 11/14)

(Abnormal Test Result: 12/14 ~ 14/14)

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.	AVR1:**
	Short	Normal operation.	AVR1:**
C102	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C103	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C104	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C105	Open	Normal operation.	AVR1:**
	Short	See 13 Page.	
C106 (Except:3R3)	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C107	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C108 (Only -3R3)	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C111	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C112 (Only -3R3, -5)	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:**
	Short	See 13 Page.	
C114	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
C115	Open	See 13 Page.	
	Short	Normal operation.	AVR1:*
C116	Open	Normal operation.	AVR1:*
	Short	See 13 Page.	
C117	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C501	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C502	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C503	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C504	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C505	Open	See 13 Page.	
	Short	No hazard.	AVR1:0
C506 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C507 (Except:-48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C521	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C524	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C525 (Except: 3R3, -12)	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C526	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C527 (Only -5, -16R5, -24)	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C528 (Only -3R3, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C529 (Only -3R3, -5, -16R5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C541 (Except: -24, -48)	Open	Normal operation.	AVR1:**
	Short	See 13 Page.	
D101	Open	Normal operation.	AVR1:**
	Short	R181 (RBP200F) opened, No hazard.	AVR1:0
D102	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
D103	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D104	Open	See 13 Page.	
	Short	Normal operation.	AVR1:**
D112	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
D501 (Only -24)	Open	See 13 Page.	
	Short	See 13 Page.	



F M E A

Component	Mode	Comment	Output Voltage (V)	
D502 (Except:-48)	Open	Normal operation.	AVR1:**	
	Short	See 13 Page.		
D521	Open	Normal operation.	AVR1:**	
	Short	Normal operation.	AVR1:**	
D522	Open	Normal operation.	AVR1:**	
	Short	Normal operation.	AVR1:**	
D523	Open	Normal operation.	AVR1:**	
	Short	No hazard.	AVR1:0	
D541 (Only -16R5)	Open	Normal operation.	AVR1:**	
	Short	Normal operation.	AVR1:**	
IC101	Open	1	See 13 Page.	
		2	No hazard.	AVR1:0
		3	R181 (RBP200F) opened, No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7	Normal operation.	AVR1:**
		8	Normal operation.	AVR1:**
	Short	1-2	See 13 Page.	
		2-3	See 13 Page.	
		3-4	R181 (RBP200F) opened, No hazard.	AVR1:0
		5-6	See 13 Page.	
		6-7	Normal operation.	AVR1:**
		7-8	Normal operation.	AVR1:**

F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
IC502 (Except:-24, -48)	Open	1	See 13 Page.	
		2	See 13 Page.	
		3	See 13 Page.	
		4	See 13 Page.	
		5	See 13 Page.	
		6	See 14 Page.	
	Short	1-2	See 14 Page.	
		2-3	See 14 Page.	
		4-5	See 14 Page.	
		5-6	See 14 Page.	
L501	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
PC101	Open	A, K	No hazard.	AVR1:0
		C, E	No hazard.	AVR1:0
	Short	A-K	No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
PC101	Short	C-E	No hazard.	AVR1:0
PC102	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:0
R101	Open		No hazard.	AVR1:0
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R104	Open		Normal operation.	AVR1:*
R105	Open		Normal operation.	AVR1:*
R106	Open		No hazard.	AVR1:0
R107	Open		No hazard.	AVR1:0
R109	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R112	Open		Normal operation.	AVR1:*
R113	Open		Normal operation.	AVR1:*
R114	Open		No hazard.	AVR1:0
R115	Open		Output voltage decreased. No hazard.	AVR1:decreased
R116	Open		Normal operation.	AVR1:*
R117	Open		R181 (RBP200F) opened, No hazard.	AVR1:0
R119	Open		No hazard.	AVR1:0
R120	Open		Output voltage decreased. No hazard.	AVR1:decreased
R121	Open		Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R122	Open	Normal operation.	AVR1:**
R123	Open	Normal operation.	AVR1:**
R124	Open	See 14 Page.	
R125	Open	See 14 Page.	
R126	Open	See 14 Page.	
R501 (Except: -24, -48)	Open	See 14 Page.	
R502 (Except: -24, -48)	Open	Normal operation.	AVR1:**
R503 (Only -12, -16R5, -24)	Open	Normal operation.	AVR1:**
R504 (Only -12, -16R5, -24)	Open	Normal operation.	AVR1:**
R511	Open	Normal operation.	AVR1:**
R512	Open	Normal operation.	AVR1:**
R513	Open	Normal operation.	AVR1:**
R514	Open	Normal operation.	AVR1:**
R515	Open	Normal operation.	AVR1:**
R516 (Only -3R3, -5)	Open	Normal operation.	AVR1:**
R517 (Only -3R3, -5)	Open	Normal operation.	AVR1:**
R518 (Only -3R3, -5)	Open	Normal operation.	AVR1:**
R521	Open	No hazard.	AVR1:0
R522	Open	No hazard.	AVR1:0
R523	Open	No hazard.	AVR1:0
R525	Open	No hazard.	AVR1:0
R526	Open	Output voltage decreased. No hazard.	AVR1:decreased
R527	Open	Normal operation.	AVR1:**
R528	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R529 (Except: -48)	Open	No hazard.	AVR1:0
R530	Open	No hazard.	AVR1:0
R531	Open	No hazard.	AVR1:0
R532 (Only -3R3, -5, -12)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R533 (Only -3R3, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R534 (Only -16R5, -24, -48)	Open	Normal operation.	AVR1:*
R535 (Except: 3R3, -12)	Open	Normal operation.	AVR1:*
R541 (Except: -24, -48)	Open	See 14 Page.	
R542 (Except: -24, -48)	Open	See 14 Page.	
R543 (Except: -24, -48)	Open	See 14 Page.	
R544 (Only -12, -16R5)	Open	See 14 Page.	
R545 (Except: -24, -48)	Open	See 14 Page.	
R546 (Except: -24, -48)	Open	See 14 Page.	
R547 (Only -3R3, -5)	Open	See 14 Page.	
R548 (Only -16R5)	Open	See 14 Page.	
R549 (Only -12)	Open	See 14 Page.	
R550 (Only -3R3, -5, -16R5)	Open	Normal operation.	AVR1:*
R551 (Only -3R3, -5, -16R5)	Open	Normal operation.	AVR1:*
R552 (Only -3R3, -5)	Open	See 14 Page.	
R561 (Only -3R3, -5, -16R5)	Open	Normal operation.	AVR1:*
R562	Open	Normal operation.	AVR1:*
R563	Open	Normal operation.	AVR1:*
SS501 (Only -48)	Open	See 13 Page.	
	Short	See 13 Page.	

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Component	Mode		Comment	Output Voltage (V)
T101	Open	1	No hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	No hazard.	AVR1:0
		4	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	R181 (RBP200F) opened, No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
TR101	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	R181 (RBP200F) opened, No hazard.	AVR1:0
	Short	D-S	See 14 Page.	
		S-G	No hazard.	AVR1:0
		G-D	See 14 Page.	
TR102	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	R181 (RBP200F) opened, No hazard.	AVR1:0
	Short	D-S	See 14 Page.	
		S-G	Normal operation.	AVR1:*
		G-D	R181 (RBP200F) opened, No hazard.	AVR1:0
TR111	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR111	Short	B-C	No hazard.	AVR1:0
TR501 (Except: -24, -48)	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	See 14 Page.	
		S-G	See 14 Page.	
		G-D	See 14 Page.	
TR541 (Only -3R3, -5, -16R5)	Open	C	See 14 Page.	
		E	See 15 Page.	
		B	See 15 Page.	
	Short	C-E	Normal operation.	AVR1:*
		E-B	See 15 Page.	
		B-C	See 15 Page.	
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			No hazard.	AVR1:0
	Short		Output voltage increased. No hazard.	AVR1:increased
ZD521 (Only -48)	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
ZD541 (Only -3R3, -5, -16R5)	Open		Normal operation.	AVR1:*
	Short		See 15 Page.	
ZD561	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
ZD562 (Only -12, -24, -48)	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C105	Short		No hazard.	AVR1:0
C113	Short		R181 (RBP200F) opened, No hazard.	AVR1:0
C115	Open		No hazard.	AVR1:0
C116	Short		No hazard.	AVR1:0
C505	Open		Output voltage decreased. No hazard	AVR1:decreased
C541	Short		No hazard.	AVR1:0
D104	Open		Normal operation.	AVR1:*
D501	Open		No hazard.	AVR1:0
	Short		R181 (RBP200F) opened, No hazard.	AVR1:0
D502	Short		No hazard.	AVR1:*
IC101	Open	1	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		5-6	F101 (RBP200F) opened, No hazard.	AVR1:0
IC502	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	Normal operation.	AVR1:*
		4-5	No hazard.	AVR1:*
		5-6	No hazard.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
R124	Open		Normal operation.	AVR1:*
R125	Open		No hazard.	AVR1:0
R126	Open		No hazard.	AVR1:0
R501	Open		No hazard.	AVR1:*
R541	Open		No hazard.	AVR1:*
R542	Open		No hazard.	AVR1:*
R543	Open		No hazard.	AVR1:*
R544	Open		No hazard.	AVR1:*
R545	Open		No hazard.	AVR1:*
R546	Open		No hazard.	AVR1:*
R547	Open		No hazard.	AVR1:*
R548	Open		No hazard.	AVR1:*
R549	Open		No hazard.	AVR1:*
R552	Open		No hazard.	AVR1:*
SS501	Open		No hazard.	AVR1:0
	Short		R181 (RBP200F) opened, No hazard.	AVR1:0
TR101	Short	D-S	R181 (RBP200F) opened, No hazard.	AVR1:0
		G-D	R181 (RBP200F) opened, No hazard.	AVR1:0
TR102	Short	D-S	R181 (RBP200F) opened, No hazard.	AVR1:0
TR501	Short	D-S	No hazard.	AVR1:0
		S-G	No hazard.	AVR1:*
		G-D	No hazard.	AVR1:0
TR541	Open	C	No hazard.	AVR1:*
		E	No hazard.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR541	Open	B	No hazard.	AVR1:*
	Short	E-B	No hazard.	AVR1:*
		B-C	No hazard.	AVR1:*
ZD541	Short		No hazard.	AVR1:*