

ABNORMAL TEST RESULT

OF MODEL RBW30B

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 : 2/13 ~ 11/13)

(Abnormal Test Result: 12/13 ~ 13/13)

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:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C102	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C103	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C104	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C105	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	
C106	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C107	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C111	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C112	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C113	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	
C114	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C115	Open	See 12 Page.	
	Short	Normal operation.	AVR1:* AVR2:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C116	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	
C117	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C501	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C502	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C503	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C505	Open	See 12 Page.	
	Short	No hazard.	AVR1:0 AVR2:0
C506	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	
C511	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C512	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C513	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C515	Open	See 12 Page.	
	Short	No hazard.	AVR1:0 AVR2:0
C516	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C521	Open	Output voltage decreased. No hazard.	AVR1, AVR2: decreased
	Short	Output voltage decreased. No hazard.	AVR1, AVR2: decreased
C523	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C524	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C525	Open	Normal operation.	AVR1:* AVR2:*
	Short	Output voltage decreased. No hazard.	AVR1, AVR2: decreased
C526	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C527	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C528	Open	Normal operation.	AVR1:* AVR2:*
	Short	Output voltage decreased. No hazard.	AVR1, AVR2: decreased
D101	Open	Normal operation.	AVR1:* AVR2:*
	Short	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
D102	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
D103	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
D104	Open	See 12 Page.	
	Short	Normal operation.	AVR1:* AVR2:*
D105	Open	Normal operation.	AVR1:* AVR2:*
	Short	See 12 Page.	



F M E A

Component	Mode	Comment	Output Voltage (V)
D106	Open	See 12 Page.	
	Short	Normal operation.	AVR1:* AVR2:*
D107	Open	See 12 Page.	
	Short	See 12 Page.	
D112	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
D501	Open	See 12 Page.	
	Short	See 12 Page.	
D511	Open	See 12 Page.	
	Short	See 12 Page.	
D521	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
D522	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
D523	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
D561	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
IC101	Open	1	See 12 Page.
		2	No hazard.
		3	R181 (RBP200F) opened, No hazard.
		4	No hazard.
		5	No hazard.
		6	No hazard.



F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	7	Normal operation.	AVR1:* AVR2:*
		8	Normal operation.	AVR1:* AVR2:*
	Short	1-2	See 12 Page.	
		2-3	See 12 Page.	
		3-4	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
		5-6	See 12 Page.	
		6-7	Normal operation.	AVR1:* AVR2:*
		7-8	Normal operation.	AVR1:* AVR2:*
IC501	Open	1	Normal operation.	AVR1:* AVR2:*
		2	Normal operation.	AVR1:* AVR2:*
		3	No hazard.	AVR1:0 AVR2:0
		4	No hazard.	AVR1:0 AVR2:0
		5	No hazard.	AVR1:0 AVR2:0
	Short	1-2	Normal operation.	AVR1:* AVR2:*
		2-3	No hazard.	AVR1:0 AVR2:0
		3-4	No hazard.	AVR1:0 AVR2:0
		4-5	No hazard.	AVR1:0 AVR2:0
L501	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
L511	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
PC101	Open	A, K	No hazard.	AVR1:0 AVR2:0
		C, E	No hazard.	AVR1:0 AVR2:0
	Short	A-K	No hazard.	AVR1:0 AVR2:0



F M E A

Component	Mode		Comment	Output Voltage (V)
PC101	Short	C-E	No hazard.	AVR1:0 AVR2:0
PC102	Open	A, K	Normal operation.	AVR1:* AVR2:*
		C, E	Normal operation.	AVR1:* AVR2:*
	Short	A-K	Normal operation.	AVR1:* AVR2:*
		C-E	No hazard.	AVR1:0 AVR2:0
R101	Open		No hazard.	AVR1:0 AVR2:0
R102	Open		Normal operation.	AVR1:* AVR2:*
R103	Open		Normal operation.	AVR1:* AVR2:*
R104	Open		Normal operation.	AVR1:* AVR2:*
R105	Open		Normal operation.	AVR1:* AVR2:*
R106	Open		No hazard.	AVR1:0 AVR2:0
R107	Open		No hazard.	AVR1:0 AVR2:0
R108	Open		Normal operation.	AVR1:* AVR2:*
R109	Open		Normal operation.	AVR1:* AVR2:*
R110	Open		Normal operation.	AVR1:* AVR2:*
R111	Open		Normal operation.	AVR1:* AVR2:*
R112	Open		Normal operation.	AVR1:* AVR2:*
R113	Open		Normal operation.	AVR1:* AVR2:*
R114	Open		No hazard.	AVR1:0 AVR2:0
R115	Open		Output voltage decreased. No hazard.	AVR1, AVR2:decreased
R116	Open		Normal operation.	AVR1:* AVR2:*
R117	Open		R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
R119	Open		No hazard.	AVR1:0 AVR2:0
R120	Open		Output voltage decreased. No hazard.	AVR1, AVR2:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
R121	Open	Normal operation.	AVR1:* AVR2:*
R122	Open	Normal operation.	AVR1:* AVR2:*
R123	Open	Normal operation.	AVR1:* AVR2:*
R501	Open	Normal operation.	AVR1:* AVR2:*
R502	Open	Normal operation.	AVR1:* AVR2:*
R503	Open	Normal operation.	AVR1:* AVR2:*
R504	Open	Normal operation.	AVR1:* AVR2:*
R505	Open	Normal operation.	AVR1:* AVR2:*
R506	Open	Normal operation.	AVR1:* AVR2:*
R511	Open	Normal operation.	AVR1:* AVR2:*
R512	Open	Normal operation.	AVR1:* AVR2:*
R513	Open	Normal operation.	AVR1:* AVR2:*
R514	Open	Normal operation.	AVR1:* AVR2:*
R515	Open	Normal operation.	AVR1:* AVR2:*
R516	Open	Normal operation.	AVR1:* AVR2:*
R521	Open	No hazard.	AVR1:0 AVR2:0
R522	Open	No hazard.	AVR1:0 AVR2:0
R523	Open	No hazard.	AVR1:0 AVR2:0
R526	Open	Output voltage decreased. No hazard.	AVR1, AVR2:decreased
R527	Open	Normal operation.	AVR1:* AVR2:*
R528	Open	Normal operation.	AVR1:* AVR2:*
R529 (Only 12)	Open	No hazard.	AVR1:0 AVR2:0
R530	Open	No hazard.	AVR1:0 AVR2:0
R531	Open	No hazard.	AVR1:0 AVR2:0



F M E A

Component	Mode		Comment	Output Voltage (V)
R534	Open		Normal operation.	AVR1:* AVR2:*
R535	Open		Normal operation.	AVR1:* AVR2:*
R561	Open		Normal operation.	AVR1:* AVR2:*
R562	Open		Normal operation.	AVR1:* AVR2:*
R563	Open		Normal operation.	AVR1:* AVR2:*
R564	Open		Normal operation.	AVR1:* AVR2:*
R565	Open		Normal operation.	AVR1:* AVR2:*
T101	Open	1	No hazard.	AVR1:0 AVR2:0
		2	No hazard.	AVR1:0 AVR2:0
		3	No hazard.	AVR1:0 AVR2:0
		4	No hazard.	AVR1:0 AVR2:0
		5	No hazard.	AVR1:0 AVR2:0
		6	No hazard.	AVR1:0 AVR2:0
		8	No hazard.	AVR1:0 AVR2:0
		9	No hazard.	AVR1:0 AVR2:0
		Short	1-2	See 12 Page.
	2-3		See 12 Page.	
	3-4		See 12 Page.	
	5-6		No hazard.	AVR1:0 AVR2:0
	8-9		See 12 Page.	
	TR101	Open	D	No hazard.
S			No hazard.	AVR1:0 AVR2:0
G			R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
Short		D-S	See 12 Page.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Short	S-G	No hazard.	AVR1:0 AVR2:0
		G-D	See 13 Page.	
TR102	Open	D	Normal operation.	AVR1:* AVR2:*
		S	Normal operation.	AVR1:* AVR2:*
		G	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
	Short	D-S	See 13 Page.	
		S-G	Normal operation.	AVR1:* AVR2:*
		G-D	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
TR111	Open	C	Normal operation.	AVR1:* AVR2:*
		E	Normal operation.	AVR1:* AVR2:*
		B	Normal operation.	AVR1:* AVR2:*
	Short	C-E	No hazard.	AVR1:0 AVR2:0
		E-B	Normal operation.	AVR1:* AVR2:*
		B-C	No hazard.	AVR1:0 AVR2:0
TR561	Open	C	Normal operation.	AVR1:* AVR2:*
		E	Normal operation.	AVR1:* AVR2:*
		B	Normal operation.	AVR1:* AVR2:*
	Short	C-E	No hazard.	AVR1:0 AVR2:0
		E-B	Normal operation.	AVR1:* AVR2:*
		B-C	No hazard.	AVR1:0 AVR2:0
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1, AVR2:decreased
			No hazard.	
	Short		Output voltage increased. No hazard.	AVR1, AVR2:increased
ZD521 (Only 15)	Open		No hazard.	AVR1:0 AVR2:0



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD521 (Only 15)	Short	No hazard.	AVR1:0 AVR2:0
ZD561	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
ZD562	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C105	Short		No hazard.	AVR1:0 AVR2:0
C113	Short		R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
C115	Open		No hazard.	AVR1:0 AVR2:0
C116	Short		No hazard.	AVR1:0 AVR2:0
C505	Open		Normal operation.	AVR1:* AVR2:*
C515	Open		Normal operation.	AVR1:* AVR2:*
D104	Open		Normal operation.	AVR1:* AVR2:*
D105	Short		Normal operation.	AVR1:* AVR2:*
D106	Open		Normal operation.	AVR1:* AVR2:*
D107	Open		No hazard.	AVR1:0 AVR2:0
	Short		No hazard.	AVR1:0 AVR2:0
D501	Open		No hazard.	AVR1:0 AVR2:0
	Short		No hazard.	AVR1:0 AVR2:0
D511	Open		No hazard.	AVR1:0 AVR2:0
	Short		No hazard.	AVR1:0 AVR2:0
IC101	Open	1	No hazard.	AVR1:0 AVR2:0
	Short	1-2	No hazard.	AVR1:0 AVR2:0
		2-3	No hazard.	AVR1:0 AVR2:0
		5-6	F101 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
T101	Short	1-2	No hazard.	AVR1:0 AVR2:0
		2-3	No hazard.	AVR1:0 AVR2:0
		3-4	No hazard.	AVR1:0 AVR2:0
		8-9	No hazard.	AVR1:0 AVR2:0
TR101	Short	D-S	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR101	Short	G-D	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0
TR102	Short	D-S	R181 (RBP200F) opened, No hazard.	AVR1:0 AVR2:0