

## ABNORMAL TEST RESULT

OF MODEL SUW305\*\*/SUCW305\*\*

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 : 2/11 ~ 7/11)

( Abnormal Test Result: 8/11 ~ 11/11)

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
C10	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
C12	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
C13	Open	Normal operation.	
	Short	Normal operation.	
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	See 8 Page.	
	Short	Normal operation.	
C23	Open	See 8 Page.	
	Short	See 8 Page.	
C40	Open	Normal operation.	
	Short	Normal operation.	
C50	Open	See 8 Page.	
	Short	See 8 Page.	
C51	Open	Normal operation.	
	Short	See 8 Page.	
C52	Open	See 8 Page.	
	Short	See 8 Page.	
C53	Open	Normal operation.	
	Short	See 8 Page.	
C54	Open	Normal operation.	
	Short	See 8 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
C61	Open		Normal operation.	
	Short		See 8 Page.	
C62	Open		Normal operation.	
	Short		See 8 Page.	
D11	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V] AVR2:0[V]
D21	Open	Only 12	Normal operation.	
	Short	Only 12	Normal operation.	
D22	Open		See 8 Page.	
	Short		Normal operation.	
D23	Open		See 8 Page.	
	Short		See 8 Page.	
D24	Open		Normal operation.	
	Short		See 8 Page.	
D51	Open		See 8 Page.	
	Short		See 8 Page.	
D52	Open		See 8 Page.	
	Short		See 8 Page.	
IC61	Open	K	See 8 Page.	
		A	See 8 Page.	
		R	See 8 Page.	
	Short	A-K	See 8 Page.	
		K-R	See 9 Page.	
		R-A	See 9 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
L11	Open		No Hazard.	AVR1:0[V] AVR2:0[V]
		Short	Normal operation.	
L51	Open		See 9 Page.	
		Short	Normal operation.	
L52	Open		See 9 Page.	
		Short	Normal operation.	
PC11	Open	A, K	See 9 Page.	
		C, E	See 9 Page.	
	Short	A-K	See 9 Page.	
		C-E	See 9 Page.	
T11	Open	1	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		2	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		3	See 9 Page.	
		4	See 9 Page.	
		5	See 9 Page.	
		6	See 9 Page.	
		7	No Hazard.	AVR1:0[V] AVR2:0[V]
		8	No Hazard.	AVR1:0[V] AVR2:0[V]
	Short	1-2	See 9 Page.	
		2-3	Normal operation.	
		3-4	See 9 Page.	
		4-5	See 9 Page.	
		5-6	See 9 Page.	
		6-7	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage
T11	Short	7-8	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
TR11	Open	D	See 9 Page.	
		S	See 9 Page.	
		G	See 9 Page.	
	Short	D-S	See 9 Page.	
		S-G	See 9 Page.	
		G-D	See 9 Page.	
TR12	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR21	Open	C	See 9 Page.	
		E	See 9 Page.	
		B	See 10 Page.	
	Short	C-E	No Hazard.	AVR1:0[V] AVR2:0[V]
		E-B	See 10 Page.	
		B-C	No Hazard.	AVR1:0[V] AVR2:0[V]
TR41	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V] AVR2:0[V]
		E-B	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage
TR41	Short	B-C	No Hazard.	AVR1:0[V] AVR2:0[V]
ZD11	Open		Normal operation.	
	Short		Normal operation.	
ZD21	Open		Normal operation.	
	Short		See 10 Page.	
ZD22	Open		Normal operation.	
	Short		Normal operation.	
ZD61	Open		See 10 Page.	
	Short		Normal operation.	
ZD62	Open		See 10 Page.	
	Short		Normal operation.	
R10	Open		Normal operation.	
R11	Open		Normal operation.	
R12	Open		Normal operation.	
R13	Open		Normal operation.	
R14	Open		Normal operation.	
R15	Open		Normal operation.	
R16	Open		Normal operation.	
R21	Open		Normal operation.	
R22	Open		Normal operation.	
R23	Open		Normal operation.	
R24	Open	Only 12	Normal operation.	
R25	Open		See 10 Page.	
R26	Open		See 10 Page.	

F M E A

Component	Mode	Comment	Output Voltage
R27	Open	Normal operation.	
R28	Open	Normal operation.	
R29	Open	Normal operation.	
R30	Open	Normal operation.	
R31	Open	Normal operation.	
R32	Open	Normal operation.	
R40	Open	Normal operation.	
R41	Open	Normal operation.	
R42	Open	Normal operation.	
R50	Open	Normal operation.	
R51	Open	Normal operation.	
R60	Open	Normal operation.	
R61	Open	Normal operation.	
R64	Open	Normal operation.	
R65	Open	Normal operation.	
R67	Open	See 10 Page.	
R68	Open	See 10 Page.	
R69	Open	See 10 Page.	
R70	Open	Normal operation.	
R71	Open	Normal operation.	
R72	Open	Normal operation.	
R73	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C22	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
C23	Open		No Hazard.	AVR1: Decreased AVR2: Decreased
	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
C50	Open	12	No Hazard.	AVR1: Decreased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
	Short	12	No Hazard.	AVR1: 0[V] AVR2: Decreased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
C51	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
C52	Open	12	No Hazard.	AVR1: Increased AVR2: Decreased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
	Short	12	No Hazard.	AVR1: Decreased AVR2: 0[V]
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
C53	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
C54	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
C61	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
C62	Short		No Hazard.	AVR1: Decreased AVR2: Decreased
D22	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
D23	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
	Short	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
D24	Short		No Hazard.	AVR1: Decreased AVR2: Decreased



## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
D51	Open		F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short		F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
D52	Open		F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short		F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
IC61	Open	K 12	No Hazard.	AVR1: Increased AVR2: Increased
		K 15	No Hazard.	AVR1: Decreased AVR2: Decreased
		A 12	No Hazard.	AVR1: Increased AVR2: Increased
		A 15	No Hazard.	AVR1: Decreased AVR2: Decreased
		R 12	No Hazard.	AVR1: Increased AVR2: Increased
		R 15	No Hazard.	AVR1: Decreased AVR2: Decreased
	Short	A-K	No Hazard.	AVR1: Decreased AVR2: Decreased
		K-R	No Hazard.	AVR1: Decreased AVR2: Decreased
		R-A 12	No Hazard.	AVR1: Increased AVR2: Increased
		R-A 15	No Hazard.	AVR1: Decreased AVR2: Decreased
L51	Open		F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
L52	Open		F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
PC11	Open	A, K 12	No Hazard.	AVR1: Increased AVR2: Increased
		A, K 15	No Hazard.	AVR1: Decreased AVR2: Decreased
		C, E 12	No Hazard.	AVR1: Increased AVR2: Increased
		C, E 15	No Hazard.	AVR1: Decreased AVR2: Decreased
	Short	A-K 12	No Hazard.	AVR1: Increased AVR2: Increased
		A-K 15	No Hazard.	AVR1: Decreased AVR2: Decreased
		C-E	No Hazard.	AVR1: Decreased AVR2: Decreased
T11	Open	3	F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]

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Component	Mode		Comment	Output Voltage
T11	Open	4	F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		5	F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		6	F11 opened, No Hazard. (Only 15) TR11 broke, F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	1-2	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		3-4	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		4-5	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		5-6	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
TR11	Open	D	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		S	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		G	No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	D-S	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		S-G	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		G-D	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
TR21	Open	C 12	No Hazard.	AVR1: Decreased AVR2: Decreased
		C 15	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		E 12	No Hazard.	AVR1: Decreased AVR2: Decreased
		E 15	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		B 12	No Hazard.	AVR1: Decreased AVR2: Decreased
		B 15	No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	E-B 12	No Hazard.	AVR1: Decreased AVR2: Decreased
		E-B 15	No Hazard.	AVR1: 0[V] AVR2: 0[V]
ZD21	Short		Normal operation.	
ZD61	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
ZD62	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
R25	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
R26	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
R67	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
R68	Open	12	No Hazard.	AVR1: Increased AVR2: Increased
		15	No Hazard.	AVR1: Decreased AVR2: Decreased
R69	Open		No Hazard.	AVR1: Decreased AVR2: Decreased