

ABNORMAL TEST RESULT

OF MODEL SUW/SUCW100512
SUW/SUCW100515

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 ~ 10/11)

(Abnormal Test Result: 11/11 ~ 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
C11	Open	Normal operation.	
	Short	See 11 Page.	
C21	Open	Normal operation.	
	Short	No Hazard.	AVR1: 0[V] AVR2: 0[V]
C22	Open	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	No Hazard.	AVR1: 0[V] AVR2: 0[V]
C23	Open	Normal operation.	
	Short	No Hazard.	AVR1: 0[V] AVR2: 0[V]
C24	Open	Normal operation.	
	Short	No Hazard.	AVR1: 0[V] AVR2: 0[V]
C31	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
C32	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
C34	Open	Normal operation.	
	Short	Normal operation.	
C41	Open	Normal operation.	
	Short	Normal operation.	
C42	Open	See 11 Page.	
	Short	See 11 Page.	
C43	Open	Normal operation.	
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.
C51	Open	Normal operation.	
	Short	See 11 Page.	

F M E A

Component	Mode	Comment	Output Voltage
C53	Open	Normal operation.	
	Short	See 11 Page.	
C54	Open	Normal operation.	
	Short	See 11 Page.	
C56	Open	Normal operation.	
	Short	See 11 Page.	
C71	Open	Normal operation.	
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.
D11	Open	Normal operation.	
	Short	Normal operation.	
D12	Open	Normal operation.	
	Short	Normal operation.	
D31	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
D32	Open	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
D41	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.
D51	Open	Normal operation.	
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.
D52	Open	Normal operation.	
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.
D53	Open	Normal operation.	
	Short	No Hazard.	AVR1: Decreased. AVR2: Decreased.

F M E A

Component	Mode		Comment	Output Voltage
D54	Open		Normal operation.	
	Short		No Hazard.	AVR1: Decreased. AVR2: Decreased.
F11	Open		No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short		Normal operation.	
IC11	Open	1	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		2	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		3	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		4	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		5	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		6	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		7	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		8	No Hazard.	AVR1: 0[V] AVR2: 0[V]
	Short	1-2	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		2-3	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		3-4	Normal operation.	
		5-6	No Hazard.	AVR1: 0[V] AVR2: 0[V]
		6-7	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
		7-8	No Hazard.	AVR1: Decreased. AVR2: Decreased.
IC51	Open	K	See 11 Page.	
		A	See 11 Page.	
		R	See 11 Page.	
	Short	A-K	Normal operation.	
		K-R	Normal operation.	
		R-A	See 11 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 11 Page.		
	Short		Normal operation.		
L52	Open		See 11 Page.		
	Short		Normal operation.		
PC11	Open	A, K	See 11 Page.		
		C, E	See 11 Page.		
	Short	A-K	See 11 Page.		
		C-E	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
T11	Open	1	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		2	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		4	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		5	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		6	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		7	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		9	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		10	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		Short	1-2	No Hazard.	AVR1: 0[V] AVR2: 0[V]
			2-3	F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
	4-5		F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]	
	6-7		Normal operation.		
		8-9	Normal operation.		
		9-10	Normal operation.		

F M E A

Component	Mode		Comment	Output Voltage	
T12	Open	1	Normal operation.		
		2	Normal operation.		
		3	See 11 Page.		
		4	See 11 Page.		
	Short	1-2	See 11 Page.		
		3-4	See 11 Page.		
TR12	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		E-B	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		B-C	Normal operation.		
	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
		E-B	Normal operation.		
		B-C	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
	TR21	Open	C	Normal operation.	
			E	No Hazard.	AVR1: 0[V] AVR2: 0[V]
			B	No Hazard.	AVR1: 0[V] AVR2: 0[V]
Short		C-E	No Hazard.	AVR1: Increased. AVR2: Increased.	
		E-B	Normal operation.		
		B-C	Normal operation.		



F M E A

Component	Mode		Comment	Output Voltage	
TR22	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
		E-B	Normal operation.		
		B-C	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
		E-B	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
		B-C	No Hazard.	AVR1: Decreased. AVR2: Decreased.	
	TR31	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	See 11 Page.		
		S-G	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		G-D	See 11 Page.		
TR32	Open	C	Normal operation.		
		E	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
		B	No Hazard.	AVR1: 0[V] AVR2: 0[V]	
	Short	C-E	Normal operation.		
		E-B	Normal operation.		
		B-C	Normal operation.		

F M E A

Component	Mode		Comment	Output Voltage
TR33	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.	
		B-C	No Hazard.	AVR1: 0[V] AVR2: 0[V]
TR34	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.	
		B-C	No Hazard.	AVR1: 0[V] AVR2: 0[V]
ZD12	Open		Normal operation.	
	Short		F11 opened, No Hazard.	AVR1: 0[V] AVR2: 0[V]
ZD71	Open		No Hazard.	AVR1: Increased. AVR2: Increased.
	Short		Normal operation.	
ZD72	Open		No Hazard.	AVR1: Increased. AVR2: Increased.
	Short		Normal operation.	
ZD73	Open		Normal operation.	
	Short		No Hazard.	AVR1: Decreased. AVR2: Decreased.
R11	Open		Normal operation.	
R12	Open		Normal operation.	
R14	Open		Normal operation.	
R15	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage
R16	Open	Normal operation.	
R17	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R21	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R22	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R23	Open	Normal operation.	
R24	Open	Normal operation.	
R25	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R26	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R27	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R28	Open	Normal operation.	
R29	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R31	Open	Normal operation.	
R32	Open	Normal operation.	
R33	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R34	Open	Normal operation.	
R35	Open	No Hazard.	AVR1: 0[V] AVR2: 0[V]
R36	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R37	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R38	Open	Normal operation.	
R41	Open	Normal operation.	
R42	Open	Normal operation.	
R44	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R45	Open	Normal operation.	
R46	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.

F M E A

Component	Mode	Comment	Output Voltage
R47	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R48	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R51	Open	Normal operation.	
R52	Open	Normal operation.	
R71	Open	No Hazard.	AVR1: Increased. AVR2: Increased.
R72	Open	No Hazard.	AVR1: Increased. AVR2: Increased.
R73	Open	No Hazard.	AVR1: Increased. AVR2: Increased.
R74	Open	Normal operation.	
R75	Open	No Hazard.	AVR1: Increased. AVR2: Increased.
R76	Open	No Hazard.	AVR1: Increased. AVR2: Increased.
R77	Open	No Hazard.	AVR1: Decreased. AVR2: Decreased.
R78	Open	Normal operation.	
R79	Open	Normal operation.	
R81	Open	Normal operation.	
R82	Open	Normal operation.	



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C11	Short		F11 opened, No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
C42	Open		No Hazard.	AVR1:* Decreased. AVR2:* Decreased.
	Short		No Hazard.	AVR1:* Decreased. AVR2:* Decreased.
C51	Short		No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
C53	Short		No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
C54	Short		No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
C56	Short		No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
IC51	Open	K	No Hazard.	AVR1:* Increased. AVR2:* Increased.
		A	No Hazard.	AVR1:* Increased. AVR2:* Increased.
		R	No Hazard.	AVR1:* Increased. AVR2:* Increased.
	Short	R-A	No Hazard.	AVR1:* Increased. AVR2:* Increased.
L51	Open		No Hazard.	AVR1:* 0[V] AVR2:* Increased.
L52	Open		No Hazard.	AVR1:* Increased. AVR2:* 0[V]
PC11	Open	A, K	No Hazard.	AVR1:* Increased. AVR2:* Increased.
		C, E	No Hazard.	AVR1:* Increased. AVR2:* Increased.
	Short	A-K	No Hazard.	AVR1:* Increased. AVR2:* Increased.
T12	Open	3	No Hazard.	AVR1:* Increased. AVR2:* Increased.
		4	No Hazard.	AVR1:* Increased. AVR2:* Increased.
	Short	1-2	No Hazard.	AVR1:* Increased. AVR2:* Increased.
		3-4	No Hazard.	AVR1:* Increased. AVR2:* Increased.
TR31	Short	D-S	F11 opened, No Hazard.	AVR1:* 0[V] AVR2:* 0[V]
		G-D	F11 opened, No Hazard.	AVR1:* 0[V] AVR2:* 0[V]