

## ABNORMAL TEST RESULT

OF MODEL SUW1R512/SUCW1R512

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/ 8 ~ 6/ 8)

( Abnormal Test Result: 7/ 8 ~ 8/ 8)

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]
C11	Open	Normal operation.	
	Short	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
C20	Open	Normal operation.	
	Short	Normal operation.	
C21	Open	No Hazard.	AVR1:decreased AVR2:decreased
	Short	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
C22	Open	See 7 Page.	
	Short	Normal operation.	
C50	Open	No Hazard.	AVR1:decreased AVR2:increased
	Short	No Hazard.	AVR1:0[V] AVR2:decreased
C51	Open	Normal operation.	
	Short	See 7 Page.	
C52	Open	No Hazard.	AVR1:increased AVR2:decreased
	Short	No Hazard.	AVR1:decreased AVR2:0[V]
C53	Open	Normal operation.	
	Short	See 7 Page.	
C60	Open	Normal operation.	
	Short	See 7 Page.	
C61	Open	Normal operation.	
	Short	Normal operation.	
D21	Open	See 7 Page.	
	Short	See 7 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
D22	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V] AVR2:0[V]
D50	Open		See 7 Page.	
	Short		No Hazard.	AVR1:0[V] AVR2:decreased
D51	Open		See 7 Page.	
	Short		No Hazard.	AVR1:decreased AVR2:0[V]
IC61	Open	K	See 7 Page.	
		A	See 7 Page.	
		R	See 7 Page.	
	Short	A-K	No Hazard.	AVR1:decreased AVR2:decreased
		K-R	No Hazard.	AVR1:decreased AVR2:decreased
		R-A	See 7 Page.	
L11	Open		No Hazard.	AVR1:0[V] AVR2:0[V]
	Short		Normal operation.	
L50	Open		See 7 Page.	
	Short		Normal operation.	
L51	Open		See 7 Page.	
	Short		Normal operation.	
PC11	Open	A, K	See 7 Page.	
		C, E	See 7 Page.	
	Short	A-K	See 7 Page.	
		C-E	No Hazard.	AVR1:decreased AVR2:decreased
T11	Open	1-2	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		3-4	See 7 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
T11	Open	5-6	See 7 Page.	
		7-8	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]
		5-6	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		7-8	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
TR11	Open	D	See 7 Page.	
		S	See 7 Page.	
		G	See 7 Page.	
	Short	D-S	See 7 Page.	
		S-G	See 7 Page.	
		G-D	See 8 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	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		E	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		B	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
	Short	C-E	No Hazard.	AVR1:0[V] AVR2:0[V]
		E-B	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
		B-C	No Hazard.	AVR1:0[V] AVR2:0[V]

## F M E A

Component	Mode	Comment	Output Voltage
ZD11	Open	Normal operation.	
	Short	Normal operation.	
ZD21	Open	No Hazard.	AVR1:decreased AVR2:decreased
	Short	No Hazard.	AVR1:decreased AVR2:decreased
ZD22	Open	Normal operation.	
	Short	Normal operation.	
ZD61	Open	See 8 Page.	
	Short	Normal operation.	
ZD62	Open	See 8 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.	
R20	Open	Normal operation.	
R21	Open	Normal operation.	
R22	Open	No Hazard.	AVR1:decreased AVR2:decreased
R23	Open	See 8 Page.	
R24	Open	See 8 Page.	
R25	Open	Normal operation.	
R26	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage
R27	Open	Normal operation.	
R50	Open	Normal operation.	
R51	Open	Normal operation.	
R61	Open	See 8 Page.	
R62	Open	Normal operation.	
R63	Open	Normal operation.	
R65	Open	See 8 Page.	
R66	Open	See 8 Page.	
R67	Open	No Hazard.	AVR1: decreased AVR2: decreased
R68	Open	Normal operation.	
R70	Open	Normal operation.	

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C22	Open		No Hazard.	Increased
C51	Short		No Hazard.	Decreased
C53	Short		No Hazard.	Decreased
C60	Short		No Hazard.	Increased
D21	Open		No Hazard.	Increased
	Short		No Hazard.	Increased
D50	Open		No Hazard.	Increased
D51	Open		No Hazard.	Increased
IC61	Open	K	No Hazard.	Increased
		A	No Hazard.	Increased
		R	No Hazard.	Increased
	Short	R-A	No Hazard.	Increased
L50	Open		No Hazard.	Increased
L51	Open		No Hazard.	Increased
PC11	Open	A, K	No Hazard.	Increased
		C, E	No Hazard.	Increased
	Short	A-K	No Hazard.	Increased
T11	Open	3-4	No Hazard.	Increased
		5-6	No Hazard.	Increased
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]



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
TR11	Short	G-D	F11 opened, No Hazard.	AVR1:0[V] AVR2:0[V]
ZD61	Open		No Hazard.	Increased
ZD62	Open		No Hazard.	Increased
R23	Open		No Hazard.	Increased
R24	Open		No Hazard.	Increased
R61	Open		No Hazard.	Increased
R65	Open		No Hazard.	Increased
R66	Open		No Hazard.	Increased