

## ABNORMAL TEST RESULT

OF MODEL SUS/SUCS60512, 15

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
C10	Open	Normal operation.	
	Short	F11 opened, No Hazard.	0[V]
C11	Open	F11 opened, No Hazard.	0[V]
	Short	F11 opened, No Hazard.	0[V]
C12	Open	Normal operation.	
	Short	Normal operation.	
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	No Hazard.	Decreased
	Short	F11 opened, No Hazard.	0[V]
C51	Open	Normal operation.	
	Short	Normal operation.	
C52	Open	Normal operation.	
	Short	Normal operation.	
C53	Open	Normal operation.	
	Short	No Hazard.	Decreased
C61	Open	Normal operation.	
	Short	Normal operation.	
C62	Open	Normal operation.	
	Short	Normal operation.	
C71	Open	Normal operation.	
	Short	No Hazard.	0[V]
C72	Open	Normal operation.	
	Short	See 11 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
C73	Open		Normal operation.	
	Short		Normal operation.	
C74	Open		Normal operation.	
	Short		See 11 Page.	
D21	Open		Normal operation.	
	Short		Normal operation.	
D22	Open		Normal operation.	
	Short		No Hazard.	0[V]
D23	Open		Normal operation.	
	Short		Normal operation.	
D41	Open		Normal operation.	
	Short		Normal operation.	
D51	Open		Normal operation.	
	Short		Normal operation.	
D52	Open		Normal operation.	
	Short		Normal operation.	
D61	Open		Normal operation.	
	Short		Normal operation.	
D71	Open		Normal operation.	
	Short		F11 opened, No Hazard.	0[V]
D72	Open		Normal operation.	
	Short		F11 opened, No Hazard.	0[V]
IC71	Open	K	See 11 Page.	
		A	See 11 Page.	

## F M E A

Component	Mode		Comment	Output Voltage
IC71	Open	R	See 11 Page.	
	Short	A-K	No Hazard.	Decreased
		K-R	No Hazard.	Decreased
		R-A	See 11 Page.	
L11	Open		No Hazard.	0[V]
	Short		Normal operation.	
L71	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.	Decreased
T11	Open	1	F11 opened, No Hazard.	0[V]
		2	F11 opened, No Hazard.	0[V]
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	No Hazard.	0[V]
		8	No Hazard.	0[V]
	Short	1-2	F11 opened, No Hazard.	0[V]
		2-3	Normal operation.	
		3-4	F11 opened, No Hazard.	0[V]
		3-6	F11 opened, No Hazard.	0[V]

## F M E A

Component	Mode		Comment	Output Voltage
T11	Short	5-6	F11 opened, No Hazard.	0[V]
		6-7	Normal operation.	
		7-8	F11 opened, No Hazard.	0[V]
TR11	Open	D	See 11 Page.	
		S	See 11 Page.	
		G	See 11 Page.	
	Short	D-S	See 11 Page.	
		S-G	See 11 Page.	
		G-D	See 11 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.	0[V]
		E	F11 opened, No Hazard.	0[V]
		B	F11 opened, No Hazard.	0[V]
	Short	C-E	No Hazard.	0[V]
		E-B	F11 opened, No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR41	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
TR41	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR42	Open	C	No Hazard.	0[V]
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]
	Short	C-E	Normal operation.	
		E-B	No Hazard.	0[V]
		B-C	No Hazard.	0[V]
TR43	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	Normal operation.	
TR51	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	F11 opened, No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	F11 opened, No Hazard.	0[V]
TR52	Open	C (npn)	Normal operation.	
		E (npn)	Normal operation.	
		B (npn)	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage
TR52	Short	C-E(npn)	F11 opened, No Hazard.	0[V]
		E-B(npn)	Normal operation.	
		B-C(npn)	F11 opened, No Hazard.	0[V]
	Open	C(pnp)	Normal operation.	
		E(pnp)	Normal operation.	
		B(pnp)	Normal operation.	
	Short	C-E(pnp)	Normal operation.	
		E-B(pnp)	Normal operation.	
		B-C(pnp)	Normal operation.	
TR53	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR61	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
ZD12	Open		Normal operation.	
	Short		Normal operation.	
ZD21	Open		No Hazard.	Decreased

## F M E A

Component	Mode	Comment	Output Voltage
ZD21	Short	No Hazard.	Decreased
ZD41	Open	No Hazard.	0[V]
	Short	Normal operation.	
ZD71	Open	See 11 Page.	
	Short	Normal operation.	
ZD72	Open	Normal operation.	
	Short	No Hazard.	Decreased
R10	Open	Normal operation.	
R12	Open	Normal operation.	
R13	Open	Normal operation.	
R14	Open	Normal operation.	
R15	Open	Normal operation.	
R16	Open	F11 opened, No Hazard.	0[V]
R17	Open	Normal operation.	
R20	Open	Normal operation.	
R21	Open	Normal operation.	
R22	Open	No Hazard.	Decreased
R23	Open	Normal operation.	
R24	Open	See 11 Page.	
R25	Open	Normal operation.	
R26	Open	Normal operation.	
R27	Open	Normal operation.	
R28	Open	Normal operation.	
R29	Open	Normal operation.	



F M E A

Component	Mode	Comment	Output Voltage
R30	Open	Normal operation.	
R31	Open	Normal operation.	
R32	Open	Normal operation.	
R33	Open	Normal operation.	
R41	Open	Normal operation.	
R42	Open	Normal operation.	
R43	Open	Normal operation.	
R44	Open	Normal operation.	
R45	Open	Normal operation.	
R46	Open	Normal operation.	
R47	Open	Normal operation.	
R51	Open	Normal operation.	
R52	Open	Normal operation.	
R53	Open	Normal operation.	
R54	Open	Normal operation.	
R55	Open	Normal operation.	
R56	Open	Normal operation.	
R57	Open	Normal operation.	
R60	Open	Normal operation.	
R61	Open	Normal operation.	
R62	Open	Normal operation.	
R63	Open	Normal operation.	
R64	Open	Normal operation.	
R70	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage
R73	Open	Normal operation.	
R74	Open	Normal operation.	
R75	Open	Normal operation.	
R76	Open	Normal operation.	
R77	Open	Normal operation.	
R78	Open	Normal operation.	
R81	Open	See 11 Page.	
R82	Open	Normal operation.	
R83	Open	No Hazard.	Decreased
R84	Open	Normal operation.	
R85	Open	Normal operation.	
R91	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C72	Short		No Hazard.	Decreased
C74	Short		No Hazard.	Decreased
IC71	Open	K	No Hazard.	Increased
		A	No Hazard.	Increased
		R	No Hazard.	Increased
	Short	R-A	No Hazard.	Increased
L71	Open		F11 opened, No Hazard.	0[V]
PC11	Open	A, K	No Hazard.	Increased
		C, E	No Hazard.	Increased
	Short	A-K	No Hazard.	Increased
TR11	Open	D	No Hazard.	0[V]
		S	No Hazard.	0[V]
		G	F11 opened, No Hazard.	0[V]
	Short	D-S	F11 opened, No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	F11 opened, No Hazard.	0[V]
R24	Open		No Hazard.	Increased
R81	Open		No Hazard.	Increased
ZD71	Open		No Hazard.	Increased