

ABNORMAL TEST RESULT

OF MODEL SUS/SUCS10053R3
SUS/SUCS100505

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 : 2/16 ~ 13/16)

(Abnormal Test Result: 14/16 ~ 16/16)

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 14 Page.	0[V]
C21	Open	Normal operation.	
	Short	No Hazard.	0[V]
C22	Open	F11 opened, No Hazard.	0[V]
	Short	No Hazard.	0[V]
C23	Open	Normal operation.	
	Short	No Hazard.	Decreased.
C24	Open	Normal operation.	
	Short	No Hazard.	0[V]
C31	Open	Normal operation.	
	Short	F11 opened, No Hazard.	0[V]
C32	Open	Normal operation.	
	Short	F11 opened, No Hazard.	0[V]
C34	Open	Normal operation.	
	Short	Normal operation.	
C41	Open	Normal operation.	
	Short	Normal operation.	
C42	Open	See 14 Page.	
	Short	See 14 Page.	Decreased.
C43	Open	Normal operation.	
	Short	No Hazard.	Decreased.
C51	Open	Normal operation.	
	Short	See 14 Page.	

F M E A

Component	Mode	Comment	Output Voltage
C52	Open	Normal operation.	
	Short	See 14 Page.	
C53	Open	Normal operation.	
	Short	See 14 Page.	
C54	Open	See 14 Page.	
	Short	No Hazard.	Decreased.
C55	Open	See 14 Page.	
	Short	See 14 Page.	
C56	Open	See 14 Page.	
	Short	No Hazard.	Decreased.
C57	Open	See 14 Page.	
	Short	No Hazard.	Decreased.
C58	Open	Normal operation.	
	Short	No Hazard.	0[V]
C60	Open	Normal operation.	
	Short	Normal operation.	
C71	Open	Normal operation.	
	Short	No Hazard.	Increased.
C72	Open	Normal operation.	
	Short	No Hazard.	Decreased.
C73	Open	Normal operation.	
	Short	No Hazard.	Decreased.
C81	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage
C82	Open	Normal operation.	
	Short	No Hazard.	0[V]
D11	Open	Normal operation.	
	Short	Normal operation.	
D12	Open	Normal operation.	
	Short	Normal operation.	
D31	Open	Normal operation.	
	Short	F11 opened, No Hazard.	0[V]
D32	Open	F11 opened, No Hazard.	0[V]
	Short	F11 opened, No Hazard.	0[V]
D41	Open	No Hazard.	Decreased.
	Short	No Hazard.	Decreased.
D52	Open	Normal operation.	
	Short	No Hazard.	
D53	Open	See 14 Page.	
	Short	See 14 Page.	
D54	Open	See 14 Page.	
	Short	See 14 Page.	
D55	Open	Normal operation.	
	Short	Normal operation.	
D56	Open	Normal operation.	
	Short	Normal operation.	
D57	Open	Normal operation.	
	Short	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage
D59	Open		See 14 Page.	
	Short		See 14 Page.	
F11	Open		No Hazard.	0[V]
	Short		Normal operation.	
IC11	Open	1	No Hazard.	0[V]
		2	No Hazard.	0[V]
		3	F11 opened, No Hazard.	0[V]
		4	No Hazard.	0[V]
		5	No Hazard.	0[V]
		6	No Hazard.	0[V]
		7	No Hazard.	0[V]
		8	No Hazard.	0[V]
	Short	1-2	No Hazard.	0[V]
		2-3	F11 opened, No Hazard.	0[V]
		3-4	Normal operation.	
		5-6	No Hazard.	0[V]
		6-7	F11 opened, No Hazard.	0[V]
		7-8	No Hazard.	Decreased.
IC51	Open	K	No Hazard.	Increased.
		A	No Hazard.	Increased.
		R	See 14 Page.	
	Short	A-K	No Hazard.	Decreased.
		K-R	No Hazard.	Decreased.
		R-A	No Hazard.	Increased.

F M E A

Component	Mode		Comment	Output Voltage
L11	Open		No Hazard.	0[V]
	Short		Normal operation.	
L51	Open		No Hazard.	0[V]
	Short		Normal operation.	
PC11	Open	A, K	No Hazard.	Increased.
		C, E	No Hazard.	Increased.
	Short	A-K	No Hazard.	Increased.
		C-E	Normal operation.	
T11	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	0[V]
		5	No Hazard.	0[V]
		6	No Hazard.	0[V]
		7	No Hazard.	0[V]
		8	Normal operation.	
		9	See 14 Page.	
		10	See 14 Page.	
	Short	1-2	No Hazard.	0[V]
		2-3	F11 opened, No Hazard.	0[V]
		3-4	Normal operation.	
		4-5	F11 opened, No Hazard.	0[V]
		5-6	No Hazard.	0[V]
		6-7	No Hazard.	0[V]

F M E A

Component	Mode		Comment	Output Voltage
T11	Short	7-8	Normal operation.	
		8-9	No Hazard.	0[V]
		9-10	No Hazard.	0[V]
T12	Open	1	No Hazard.	0[V]
		2	No Hazard.	0[V]
		3	See 14 Page.	
		4	See 14 Page.	
	Short	1-2	See 14 Page.	
		3-4	See 14 Page.	
TR12	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	No Hazard.	0[V]
		B-C	Normal operation.	
	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	Decreased.
		E-B	Normal operation.	
		B-C	No Hazard.	Decreased.
TR21	Open	C	Normal operation.	
		E	No Hazard.	0[V]
		B	No Hazard.	0[V]



F M E A

Component	Mode		Comment	Output Voltage	
TR21	Short	C-E	No Hazard.	Increased.	
		E-B	Normal operation.		
		B-C	Normal operation.		
TR22	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	Decreased.	
		E-B	Normal operation.		
		B-C	No Hazard.	Decreased.	
	Open	C	Normal operation.		
		E	Normal operation.		
		B	Normal operation.		
	Short	C-E	No Hazard.	Decreased.	
		E-B	No Hazard.	Decreased.	
		B-C	No Hazard.	Decreased.	
	TR31	Open	D	No Hazard.	0[V]
			S	No Hazard.	0[V]
			G	No Hazard.	0[V]
Short		D-S	See 15 Page.	0[V]	
		S-G	Normal operation.		
		G-D	See 15 Page.	0[V]	
TR32	Open	C	Normal operation.		
		E	No Hazard.	0[V]	
		B	No Hazard.	0[V]	

F M E A

Component	Mode		Comment	Output Voltage
TR32	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR33	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR34	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	0[V]
TR51	Open	D	See 15 Page.	
		S	See 15 Page.	
		G	See 15 Page.	
	Short	D-S	No Hazard.	0[V]
		S-G	No Hazard.	0[V]
		G-D	No Hazard.	Decreased.
TR52	Open	C	Normal operation.	
		E	No Hazard.	Decreased.
		B	No Hazard.	Decreased.

F M E A

Component	Mode		Comment	Output Voltage
TR52	Short	C-E	See 15 Page.	
		E-B	Normal operation.	
		B-C	See 15 Page.	
TR53	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 15 Page.	
		E-B	Normal operation.	
		B-C	Normal operation.	
	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 15 Page.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR54	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 15 Page.	
		E-B	Normal operation.	
		B-C	See 15 Page.	
TR55	Open	C	See 15 Page.	
		E	See 15 Page.	
		B	See 15 Page.	

F M E A

Component	Mode		Comment	Output Voltage
TR55	Short	C-E	Normal operation.	
		E-B	See 15 Page.	
		B-C	See 15 Page.	
ZD12	Open		Normal operation.	
	Short		F11 opened, No Hazard.	0[V]
ZD51	Open		Normal operation.	
	Short		Normal operation.	
ZD52	Open		See 15 Page.	
	Short		See 15 Page.	
R11	Open		Normal operation.	
R12	Open		Normal operation.	
R14	Open		Normal operation.	
R15	Open		Normal operation.	
R16	Open		Normal operation.	
R17	Open		No Hazard.	Decreased.
R21	Open		No Hazard.	0[V]
R22	Open		No Hazard.	0[V]
R23	Open		Normal operation.	
R24	Open		Normal operation.	
R25	Open		No Hazard.	0[V]
R26	Open		No Hazard.	0[V]
R27	Open		No Hazard.	0[V]
R28	Open		Normal operation.	
R29	Open		No Hazard.	0[V]

F M E A

Component	Mode	Comment	Output Voltage
R31	Open	Normal operation.	
R32	Open	Normal operation.	
R33	Open	No Hazard.	0[V]
R34	Open	Normal operation.	
R35	Open	No Hazard.	Decreased.
R36	Open	No Hazard.	Decreased.
R37	Open	No Hazard.	Decreased.
R38	Open	Normal operation.	
R41	Open	Normal operation.	
R42	Open	Normal operation.	
R44	Open	No Hazard.	Decreased.
R45	Open	Normal operation.	
R46	Open	No Hazard.	Decreased.
R47	Open	No Hazard.	Decreased.
R48	Open	No Hazard.	Decreased.
R51	Open	See 15 Page.	
R52	Open	See 15 Page.	
R53	Open	No Hazard.	Decreased.
R54	Open	No Hazard.	Decreased.
R55	Open	Normal operation.	
R56	Open	See 15 Page.	
R57	Open	Normal operation.	
R58	Open	Normal operation.	
R59	Open	See 15 Page.	

F M E A

Component	Mode	Comment	Output Voltage
R60	Open	See 15 Page.	
R61	Open	Normal operation.	
R62	Open	See 15 Page.	
R63	Open	See 15 Page.	
R64	Open	See 16 Page.	
R65	Open	Normal operation.	
R66	Open	Normal operation.	
R67	Open	Normal operation.	
R68	Open	Normal operation.	
R69	Open	Normal operation.	
R70	Open	Normal operation.	
R71	Open	No Hazard.	Increased.
R72	Open	No Hazard.	Increased.
R73	Open	Normal operation.	
R74	Open	Normal operation.	
R75	Open	Normal operation.	
R76	Open	No Hazard.	Increased.
R77	Open	Normal operation.	
R78	Open	No Hazard.	Decreased.
R79	Open	No Hazard.	Decreased.
R81	Open	Normal operation.	
R83	Open	Normal operation.	
R85	Open	Normal operation.	
R86	Open	Normal operation.	



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
C11	Short		F11 opened, No Hazard.	0[V]
C42	Open		No Hazard.	Decreased.
	Short		No Hazard.	Decreased.
C51	Short		No Hazard.	Decreased.
C52	Short		No Hazard.	Decreased.
C53	Short		No Hazard.	Decreased.
C54	Open		No Hazard.	
C55	Open		No Hazard.	
	Short		No Hazard.	
C56	Open		No Hazard.	
C57	Open		No Hazard.	
D53	Open		No Hazard.	
	Short		No Hazard.	
D54	Open		No Hazard.	
	Short		No Hazard.	
D59	Open		No Hazard.	
	Short		No Hazard.	
IC51	Open	R	No Hazard.	Increased.
T11	Open	9	No Hazard.	
		10	No Hazard.	
T12	Open	3	No Hazard.	Increased.
		4	No Hazard.	Increased.
	Short	1-2	No Hazard.	Increased.
		3-4	No Hazard.	Increased.



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
TR31	Short	D-S	F11 opened, No Hazard.	0[V]
		G-D	F11 opened, No Hazard.	0[V]
TR51	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
TR52	Short	C-E	No Hazard.	
		B-C	No Hazard.	
TR53	Short	C-E	No Hazard.	
TR54	Short	C-E	No Hazard.	
		B-C	No Hazard.	
TR55	Open	C	No Hazard.	
		E	No Hazard.	
		B	No Hazard.	
	Short	E-B	No Hazard.	
		B-C	No Hazard.	
ZD52	Open	No Hazard.		
	Short	No Hazard.		
R51	Open	No Hazard.		
R52	Open	No Hazard.		
R56	Open	No Hazard.		
R59	Open	No Hazard.		
R60	Open	No Hazard.		
R62	Open	No Hazard.		
R63	Open	No Hazard.		



ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage
R64	Open	No Hazard.	