

## ABNORMAL TEST RESULT

OF MODEL R50A-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/ 9 ~ 7/ 9)

( Abnormal Test Result: 8/ 9 ~ 9/ 9)

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 (V)
C11	Open	F11 opened, No hazard.	
	Short	F11 opened, No hazard.	0V
C14	Open	See 8 Page.	
	Short	F11 opened, No hazard.	0V
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	See 8 Page.	
	Short	No Hazard.	0V
C23	Open	See 8 Page.	
	Short	No Hazard.	0V
C24	Open	Normal operation.	
	Short	Normal operation.	
C25	Open	Normal operation.	
	Short	Normal operation.	
C26	Open	Normal operation.	
	Short	See 8 Page.	
C51	Open	Normal operation.	
	Short	See 8 Page.	
C52	Open	Normal operation.	
	Short	See 8 Page.	
C53	Open	Normal operation.	
	Short	No Hazard.	0V
C54	Open	Normal operation.	
	Short	No Hazard.	0V

## F M E A

Component	Mode		Comment	Output Voltage (V)
C61	Open		See 8 Page.	
	Short		See 8 Page.	
D21	Open		No Hazard.	
	Short		See 8 Page.	
D22	Open		Normal operation.	
	Short		Normal operation.	
F11	Open		No Hazard.	0V
	Short		Normal operation.	
IC21	Open	1	No Hazard.	0V
		2	No Hazard.	0V
		3	No Hazard.	0V
		4	Normal operation.	
		5	No Hazard.	0V
		6	Normal operation.	
		7	Normal operation.	
		8	No Hazard.	0V
		9	See 8 Page.	
		10	See 8 Page.	
		11	See 8 Page.	
		12	Normal operation.	
		13	No Hazard.	0V
		14	Normal operation.	
		15	Normal operation.	
		16	No Hazard.	0V

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC21	Short	1-2	Normal operation.	
		2-3	No Hazard.	0V
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	No Hazard.	0V
		9-10	See 8 Page.	
		10-11	See 8 Page.	
		11-12	See 8 Page.	
		12-13	Normal operation.	
		13-14	Normal operation.	
		14-15	Normal operation.	
		15-16	No Hazard.	0V
IC61	Open	K	No Hazard.	0V
		A	No Hazard.	0V
		R	No Hazard.	0V
	Short	A-K	See 8 Page.	
		K-R	See 8 Page.	
		R-A	See 8 Page.	
L11	Open		No Hazard.	0V
	Short		F11 opened, No hazard.	0V
L54	Open		No Hazard.	0V
	Short		See 8 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
LED51	Open		Normal operation.	
	Short		Normal operation.	
PC21	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	No Hazard.	0V
		C-E	No Hazard.	0V
PC22	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	No Hazard.	0V
		C-E	No Hazard.	0V
SS11	Open		No Hazard.	0V
	Short		F11 opened, No hazard.	0V
SS51	Open		See 8 Page.	
	Short		See 8 Page.	
T11	Open	1, 2	No Hazard.	0V
		4, 5	No Hazard.	
		6, 7, 8, 9	No Hazard.	0V
	Short	1, 2	See 8 Page.	
		4, 5	See 8 Page.	
		6, 7, 8, 9	See 8 Page.	
TH11	Open		No Hazard.	0V
	Short		Normal operation.	
TR21	Open	D	No Hazard.	0V
		S	No Hazard.	0V

F M E A

Component	Mode		Comment	Output Voltage (V)
TR21	Open	G	No Hazard.	0V
	Short	D-S	F11 opened, No hazard.	0V
		S-G	No Hazard.	0V
		G-D	See 9 Page.	
VR61	Open	brush	Normal operation.	
			See 9 Page.	
	Short		No Hazard.	0V
ZD21	Open		Normal operation.	
	Short		No Hazard.	0V
ZD61	Open		Normal operation.	
	Short		No Hazard.	0V
R11	Open		Normal operation.	
R13	Open		Normal operation.	
R21	Open		Normal operation.	
R22	Open		Normal operation.	
R23	Open		See 9 Page.	
R24	Open		See 9 Page.	
R25	Open		Normal operation.	
R26	Open		No Hazard.	0V
R27	Open		Normal operation.	
R28	Open		Normal operation.	
R29	Open		No Hazard.	
R30	Open		Normal operation.	
R31	Open		See 9 Page.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R51	Open	Normal operation.	
R52	Open	Normal operation.	
R53	Open	No Hazard.	0V
R62	Open	No Hazard.	0V
R63	Open	Normal operation.	
R64	Open	See 9 Page.	
R65	Open	Normal operation.	
R66	Open	No Hazard.	0V
R67	Open	See 9 Page.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C14	Open		No Hazard.	0V
C22	Open		No Hazard.	0V
C23	Open		No Hazard.	0V
C26	Short		Normal operation.	
C51	Short		No Hazard.	0V
C52	Short		Normal operation.	
C61	Open		Normal operation.	
	Short		No Hazard.	3.9V
D21	Short		No Hazard.	0V
IC21	Open	9	No Hazard.	0V
		10	No Hazard.	0V
		11	No Hazard.	0V
	Short	9-10	No Hazard.	0V
		10-11	No Hazard.	0V
		11-12	No Hazard.	2.2V
IC61	Short	A-K	No Hazard.	5.92V
		K-R	No Hazard.	3.68V
		R-A	No Hazard.	1.25V
L54	Short		No Hazard.	0V
SS51	Open		No Hazard.	0.79V
	Short		No Hazard.	0V
T11	Short	1, 2	No Hazard.	0V
		4, 5	No Hazard.	0.5V
		6, 7, 8, 9	No Hazard.	0.6V



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR21	Short	G-D	No Hazard.	0V
VR61	Open		No Hazard.	1. 0V
R23	Open		No Hazard.	0V
R24	Open		No Hazard.	0V
R31	Open		No Hazard.	0V
R64	Open		No Hazard.	1. 0V
R67	Open		No Hazard.	3. 03V