

ABNORMAL TEST RESULT

OF MODEL R15A

1. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Did electric breakdown?

No.

4. Other Results?

See the following pages .

(FMEA : 2/ 7 ~ 6/ 7)

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

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	Normal operation.	
	Short	F11 opened, No hazard.	
C12	Open	See 7 Page.	
	Short	F11 opened, No hazard.	
C13	Open	Normal operation.	
	Short	Normal operation.	
C14	Open	Output voltage decreased. No hazard.	
	Short	F11 opened, No hazard.	
C15	Open	F11 opened, No hazard.	
	Short	F11 opened, No hazard.	
C16	Open	Normal operation.	
	Short	See 7 Page.	
C51	Open	Output voltage decreased. No hazard.	
	Short	R11 opened, No hazard.	
C52	Open	No Hazard.	
	Short	No Hazard.	
C53	Open	No Hazard.	
	Short	No Hazard.	
C54	Open	No Hazard.	
	Short	No Hazard.	
C59	Open	No Hazard.	
	Short	No Hazard.	
C60	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C61	Open		No Hazard.	
	Short		No Hazard.	
C62	Open		Normal operation.	
	Short		See 7 Page.	
D51	Open		F11 opened, No hazard.	
	Short		See 7 Page.	
D52	Open		F11 opened, No hazard.	
	Short		See 7 Page.	
D53	Open		No Hazard.	
	Short		No Hazard.	
F11	Open		No Hazard.	
	Short		Normal operation.	
IC51	Open	K	No Hazard.	
		A	No Hazard.	
		R	No Hazard.	
	Short	A-K	Output voltage decreased. No hazard.	
		K-R	Output voltage decreased. No hazard.	
		R-A	No Hazard.	
L11	Open		No Hazard.	
	Short		F11 opened, No hazard.	
L51	Open		No Hazard.	
	Short		Normal operation.	
LED51	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
PC11	Open	A, K	No Hazard.	
		C, E	No Hazard.	
	Short	A-K	No Hazard.	
		C-E	No Hazard.	
SS11	Open		No Hazard.	
	Short		F11 opened, No hazard.	
TR11	Open	C	No Hazard.	
		E	No Hazard.	
		B	No Hazard.	
	Short	C-E	No Hazard.	
		E-B	No Hazard.	
		B-C	No Hazard.	
TR12	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 7 Page.	
T11	Open	5, 4	See 7 Page.	
		2, 1	See 7 Page.	
		6, 7 8, 9	See 7 Page.	
	Short	5-4	See 7 Page.	
		2-1	See 7 Page.	
		6-8 7-9	See 7 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
VR51	Open	brush	Normal operation.	
			No Hazard.	
	Short		Normal operation.	
ZD11	Open		Output voltage decreased. No hazard.	
	Short		Output voltage decreased. No hazard.	
ZD12	Open		Normal operation.	
	Short		Normal operation.	
ZD13	Open		Normal operation.	
	Short		No Hazard.	
ZD51	Open		Normal operation.	
	Short		No Hazard.	
TH11	Open		No Hazard.	
	Short		Normal operation.	
R11	Open		Output voltage decreased. No hazard.	
R12	Open		Normal operation.	
R13	Open		Normal operation.	
R14	Open		Normal operation.	
R15	Open		Normal operation.	
R16	Open		F11 opened, No hazard.	
R17	Open		Normal operation.	
R18	Open		F11 opened, No hazard.	
R51	Open		No Hazard.	
R52	Open		Normal operation.	
R53	Open		No Hazard.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R54	Open	No Hazard.	
R55	Open	Output voltage decreased. No hazard.	
R56	Open	Output voltage decreased. No hazard.	
R57	Open	No Hazard.	
R59	Open	Normal operation.	
R60	Open	Normal operation.	
R61	Open	Normal operation.	
R62	Open	Normal operation.	
R63	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C12	Open		No Hazard.	AVR1:0
C16	Short		Normal operation.	AVR1:*
C62	Short		Output voltage decreased. No hazard.	AVR1:*
D51	Short		Output voltage decreased. No hazard.	AVR1:*
D52	Short		Output voltage decreased. No hazard.	AVR1:*
TR12	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	F11 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F11 opened, No hazard.	AVR1:0
T11	Open	5, 4	F11 opened, No hazard.	AVR1:0
		2, 1	F11 opened, No hazard.	AVR1:0
		6, 7 8, 9	F11 opened, No hazard.	AVR1:0
	Short	5-4	No Hazard.	AVR1:0
		2-1	F11 opened, No hazard.	AVR1:0
		6-8 7-9	F11 opened, No hazard.	AVR1:0