



ABNORMAL TEST RESULT
OF MODEL PJA50F

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 : 2/10 ~ 9/10)
(Abnormal Test Result: 10/10 ~ 10/10)

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)
C101	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C201	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C202 (Except:-5)	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C206	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C207	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C208	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C212	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C501	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C504	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C531	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C532 (Only -24)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C534 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C602	Open	No Hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:decreased
C605	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C606	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C610 (Except:-12)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D101	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
D201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:decreased
		3	F101 opened. No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		8	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	F101 opened. No Hazard.	AVR1:0
		5-6	F101 opened. No Hazard.	AVR1:0
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	4-5	No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
L221 (Except:-24)	Open		See page 10.	
	Short		Normal operation.	AVR1:*
L501 (Except:-5)	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L502 (Only -5)	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	Output voltage decreased. No hazard.	AVR1:decreased
		C, E	Output voltage decreased. No hazard.	AVR1:decreased
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		C-E	No Hazard.	AVR1:0
PC202	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R104	Open	Normal operation.	AVR1:*
R105	Open	Normal operation.	AVR1:*
R110	Open	Normal operation.	AVR1:*
R111	Open	Normal operation.	AVR1:*
R201 (Except:-5)	Open	Normal operation.	AVR1:*
R202	Open	Normal operation.	AVR1:*
R203 (Except:-24)	Open	Normal operation.	AVR1:*
R204	Open	No Hazard.	AVR1:0
R205	Open	No Hazard.	AVR1:0
R206	Open	Normal operation.	AVR1:*
R207	Open	No Hazard.	AVR1:0
R208	Open	No Hazard.	AVR1:0
R209	Open	No Hazard.	AVR1:0
R210	Open	Normal operation.	AVR1:*
R211	Open	No Hazard.	AVR1:decreased
R212	Open	No Hazard.	AVR1:decreased
R213	Open	No Hazard.	AVR1:decreased
R214	Open	Normal operation.	AVR1:*
R215	Open	Normal operation.	AVR1:*
R216	Open	No Hazard.	AVR1:0
R217	Open	Normal operation.	AVR1:*
R218	Open	No Hazard.	AVR1:decreased
R219	Open	No Hazard.	AVR1:0
R220	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R221 (Only -24)	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*
R502 (Except:-15)	Open	Normal operation.	AVR1:*
R531	Open	Normal operation.	AVR1:*
R532	Open	Normal operation.	AVR1:*
R537 (Only -24)	Open	Normal operation.	AVR1:*
R538 (Only -24)	Open	Normal operation.	AVR1:*
R601	Open	Output voltage decreased. No hazard.	AVR1:decreased
R602	Open	No Hazard.	AVR1:0
R603 (Except:-5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604	Open	No Hazard.	AVR1:decreased
R606	Open	No Hazard.	AVR1:0
R607	Open	No Hazard.	AVR1:0
R608	Open	No Hazard.	AVR1:0
R611	Open	No Hazard.	AVR1:0
R614 (Only -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R617	Open	No Hazard.	AVR1:0
R618	Open	Normal operation.	AVR1:*
R619	Open	Normal operation.	AVR1:*
R701	Open	Normal operation.	AVR1:*
R703	Open	Normal operation.	AVR1:*
R704	Open	Normal operation.	AVR1:*
SS101	Open	No Hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
SS501	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T201	Open	A	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
		3	See page 10.	
		4	See page 10.	
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
	Short	A-B	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		6-7	F101 opened. No Hazard.	AVR1:0
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	See page 10.	
		S	See page 10.	
		G	See page 10.	
	Short	D-S	See page 10.	
		S-G	See page 10.	
		G-D	See page 10.	
TR202	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Short	B-C	Normal operation.	AVR1:*
TR203	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
VR601	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			No Hazard.	AVR1:0
	Short		Output voltage increased. No hazard.	AVR1:increased
ZD701	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
L221	Open		Normal operation.	AVR1:*
T201	Open	3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0