



ABNORMAL TEST RESULT
OF MODEL PJA15F

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 ~ 8/ 9)
(Abnormal Test Result: 9/ 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)
C101	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C114 (Except:-24)	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C201	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	F101 opened, No hazard.	AVR1:0
C203	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C206	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C207	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C208	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C212	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C213	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C221	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C242	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C501	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505 (Only -5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C533	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C534	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	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C604 (Except:-5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C605	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
C606	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D101	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D201	Open		See page 9.	
	Short		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D203	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
D501	Open		See page 9.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D502 (Except:-24)	Open		See page 9.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC201	Open	1	No Hazard.	AVR1:0
		2	Output voltage decreased. 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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	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	2-3	No Hazard.	AVR1:0
		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	Open		See page 9.	
	Short		Normal operation.	AVR1:*
L501	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:*



F M E A

Component	Mode		Comment	Output Voltage (V)
PC202	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:**
R104	Open		Normal operation.	AVR1:**
R105	Open		Normal operation.	AVR1:**
R110	Open		Normal operation.	AVR1:**
R112	Open		Normal operation.	AVR1:**
R202	Open		Output voltage decreased. No hazard.	AVR1:decreased
R204	Open		No Hazard.	AVR1:0
R205	Open		No Hazard.	AVR1:0
R206	Open		Normal operation.	AVR1:**
R208	Open		No Hazard.	AVR1:0
R209	Open		No Hazard.	AVR1:0
R210	Open		Normal operation.	AVR1:**
R211	Open		Output voltage decreased. No hazard.	AVR1:decreased
R216	Open		No Hazard.	AVR1:0
R219	Open		F101 opened, No hazard.	AVR1:0
R220	Open		Normal operation.	AVR1:**
R221	Open		No Hazard.	AVR1:0
R241	Open		Output voltage decreased. No hazard.	AVR1:decreased
R501	Open		Normal operation.	AVR1:**
R502 (Only -5)	Open		Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
R537	Open		Normal operation.	AVR1:*
R601	Open		Output voltage decreased. No hazard.	AVR1:decreased
R602	Open		No Hazard.	AVR1:0
R603 (Except:-5)	Open		Normal operation.	AVR1:*
R604	Open		Output voltage decreased. 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
R612 (Except:-5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R614 (Only -5)	Open		Normal operation.	AVR1:*
R617	Open		No Hazard.	AVR1:0
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
T201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		4	See page 9.	
		5	See page 9.	
		7	See page 9.	
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Open	10	See page 9.	
	Short	1-2	F101 opened, No hazard.	AVR1:0
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
		8-9	Output voltage decreased. No hazard.	AVR1:decreased
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	See page 9.	
		S	See page 9.	
		G	See page 9.	
	Short	D-S	See page 9.	
		S-G	See page 9.	
		G-D	See page 9.	
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
		B-C	Normal operation.	AVR1:*
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)
D201	Open		Normal operation.	AVR1:*
D501	Open		Normal operation.	AVR1:*
D502	Open		Normal operation.	AVR1:*
L221	Open		Normal operation.	AVR1:*
T201	Open	4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		10	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