



ABNORMAL TEST RESULT
OF MODEL PJA30F

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	No Hazard.	AVR1:0
	Short	F101 opened. No Hazard.	AVR1:0
C202 (Except:-5)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
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 (Only -15)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C505 (Only -15)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C531 (Except:-24)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C533 (Except:-24)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
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
C605	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C606	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C610 (Only -15, -24)	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		See page 10.	
	Short		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D553 (Except:-24)	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



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	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 (Except:-24)	Open		See page 10.	
	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:*
	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:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R105	Open	Normal operation.	AVR1:*
R110	Open	Normal operation.	AVR1:*
R111	Open	Normal operation.	AVR1:*
R201 (Except:-5)	Open	Normal operation.	AVR1:*
R202	Open	Output voltage decreased. No hazard.	AVR1:decreased
R203 (Only -24)	Open	See page 10.	
R204	Open	No Hazard.	AVR1:0
R205	Open	No Hazard.	AVR1:0
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
R214	Open	Normal operation.	AVR1:*
R216	Open	No Hazard.	AVR1:0
R218	Open	No Hazard.	AVR1:decreased
R219	Open	No Hazard.	AVR1:0
R220	Open	Normal operation.	AVR1:*
R222	Open	No Hazard.	AVR1:0
R223	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*
R502	Open	Normal operation.	AVR1:*
R503 (Only -24)	Open	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
R531 (Except:-24)	Open		Normal operation.	AVR1:*
R537 (Except:-24)	Open		Normal operation.	AVR1:*
R538 (Except:-24)	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
R614 (Only -5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R615	Open		No Hazard.	AVR1:0
R616	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
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
		1	See page 10.	



F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Open	2	See page 10.	
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	A-B	Output voltage decreased. No hazard.	AVR1:decreased
		1-2	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	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
		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:*



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD701	Short	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
D201	Open		Normal operation.	AVR1:*
L221	Open		Normal operation.	AVR1:*
R203	Open		Normal operation.	AVR1:*
T201	Open	1	Normal operation.	AVR1:*
		2	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