



ABNORMAL TEST RESULT

OF MODEL PDA30F

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 : 2/14 ~ 12/14)

(Abnormal Test Result: 13/14 ~ 14/14)

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
C201	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C202	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C203	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C206	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C207 (Except:12)	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C209	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C211	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:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C221	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C231	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C251	Open	Normal operation.	AVR1:**
	Short	See page 13.	
C252	Open	See page 13.	
	Short	Normal operation.	AVR1:**
C253	Open	See page 13.	
	Short	Normal operation.	AVR1:**
C281	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C282	Open	Normal operation.	AVR1:**
	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	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C506	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
C507 (Except:12)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C508 (Only -5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C533 (Except:-24)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C551 (Only -5)	Open	See page 13.	
	Short	See page 13.	
C553 (Only -5)	Open	Normal operation.	AVR1:*
	Short	See page 13.	
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
D201	Open	See page 13.	
	Short	No Hazard.	AVR1:0
D203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D211	Open	See page 13.	
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
D212	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D221	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
D231	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D551 (Only -5)	Open		See page 13.	
	Short		See page 13.	
D553 (Except:-24)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D554 (Only -5)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC201	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		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
		5-6	F101 opened, No hazard.	AVR1:0
IC501 (Only -5)	Open	1	See page 13.	



F M E A

Component	Mode		Comment	Output Voltage (V)
IC501 (Only -5)	Open	2	See page 13.	
		3	See page 13.	
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	See page 13.	
		6	See page 13.	
	Short	1-2	See page 13.	
		2-3	See page 13.	
		4-5	See page 13.	
		5-6	Normal operation.	AVR1:*
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
J201	Open		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
L501	Open		No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L501	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:**
R105	Open		Normal operation.	AVR1:**
R201	Open		Normal operation.	AVR1:**
R202 (Only -24)	Open		Normal operation.	AVR1:**
R203	Open		No Hazard.	AVR1:0
R204	Open		No Hazard.	AVR1:0
R205	Open		Normal operation.	AVR1:**
R206	Open		See page 13.	
R207	Open		Output voltage decreased. No hazard.	AVR1:decreased
R208	Open		No Hazard.	AVR1:0
R209	Open		Output voltage decreased. No hazard.	AVR1:decreased
R210	Open		No Hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R211	Open	No Hazard.	AVR1:0
R212	Open	No Hazard.	AVR1:0
R213	Open	Normal operation.	AVR1:*
R214	Open	Normal operation.	AVR1:*
R217	Open	No Hazard.	AVR1:0
R221	Open	Output voltage decreased. No hazard.	AVR1:decreased
R222	Open	Output voltage decreased. No hazard.	AVR1:decreased
R223	Open	F101 opened, No hazard.	AVR1:0
R224	Open	F101 opened, No hazard.	AVR1:0
R225	Open	Output voltage decreased. No hazard.	AVR1:decreased
R226	Open	Output voltage decreased. No hazard.	AVR1:decreased
R231	Open	Normal operation.	AVR1:*
R232	Open	Normal operation.	AVR1:*
R233	Open	Normal operation.	AVR1:*
R234	Open	Normal operation.	AVR1:*
R235	Open	Normal operation.	AVR1:*
R236	Open	Output voltage decreased. No hazard.	AVR1:decreased
R237	Open	Normal operation.	AVR1:*
R238	Open	Normal operation.	AVR1:*
R239	Open	Normal operation.	AVR1:*
R240	Open	No Hazard.	AVR1:0
R243	Open	Normal operation.	AVR1:*
R251	Open	Normal operation.	AVR1:*
R252	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R253	Open	Normal operation.	AVR1:**
R254	Open	Normal operation.	AVR1:**
R255	Open	Normal operation.	AVR1:**
R256	Open	Normal operation.	AVR1:**
R281	Open	Normal operation.	AVR1:**
R282	Open	Normal operation.	AVR1:**
R283	Open	Normal operation.	AVR1:**
R284	Open	Normal operation.	AVR1:**
R501	Open	Normal operation.	AVR1:**
R502	Open	Normal operation.	AVR1:**
R503 (Only -24)	Open	Normal operation.	AVR1:**
R537 (Except:-24)	Open	Normal operation.	AVR1:**
R538 (Except:-24)	Open	Normal operation.	AVR1:**
R551 (Only -5)	Open	See page 13.	
R552 (Only -5)	Open	See page 13.	
R553 (Only -5)	Open	See page 13.	
R555 (Only -5)	Open	See page 13.	
R556 (Only -5)	Open	Normal operation.	AVR1:**
R557 (Only -5)	Open	See page 13.	
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	Output voltage decreased. No hazard.	AVR1:decreased
R605	Open	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
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	Open		Output voltage decreased. No hazard.	AVR1:decreased
R701	Open		Normal operation.	AVR1:*
R702	Open		Normal operation.	AVR1:*
R703	Open		Normal operation.	AVR1:*
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501 (Except:-5)	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		4	See page 14.	
		5	See page 14.	
		6	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	F101 opened, No hazard.	AVR1:0
		4-5	F101 opened, No hazard.	AVR1:0
		9-10	F101 opened, No hazard.	AVR1:0
TH101	Open		No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TH101	Short		Normal operation.	AVR1:*
TR201	Open	D	See page 14.	
		S	See page 14.	
		G	See page 14.	
	Short	D-S	See page 14.	
		S-G	See page 14.	
		G-D	See page 14.	
TR231	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Normal operation.	AVR1:*
TR251	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	See page 14.	
		S-G	Normal operation.	AVR1:*
		G-D	See page 14.	
TR281	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:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR281	Short	B-C	No Hazard.	AVR1:0
TR501 (Only -5)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See page 14.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	See page 14.	
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
VR601	Open	brush	Output voltage increased. No hazard.	AVR1:increased
			No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD231	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	AVR1:*
ZD251	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD701	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C251	Short		Output voltage decreased. No hazard.	AVR1:decreased
C252	Open		Normal operation.	AVR1:**
C253	Open		Normal operation.	AVR1:**
C551	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C553	Short		Normal operation.	AVR1:**
D201	Open		Normal operation.	AVR1:**
D211	Open		Normal operation.	AVR1:**
D551	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
IC501	Open	1	Normal operation.	AVR1:**
		2	Normal operation.	AVR1:**
		3	Normal operation.	AVR1:**
		5	Normal operation.	AVR1:**
		6	Normal operation.	AVR1:**
	Short	1-2	Normal operation.	AVR1:**
		2-3	Normal operation.	AVR1:**
		4-5	Normal operation.	AVR1:**
R206	Open		Normal operation.	AVR1:**
R551	Open		Normal operation.	AVR1:**
R552	Open		Normal operation.	AVR1:**
R553	Open		Normal operation.	AVR1:**
R555	Open		Normal operation.	AVR1:**
R557	Open		Normal operation.	AVR1:**



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
T201	Open	4	Normal operation.	AVR1:*
		5	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
TR251	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR501	Open	G	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*