

ABNORMAL TEST RESULT

OF MODEL PDA50F

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 : 2/15 ~ 13/15)

(Abnormal Test Result: 14/15 ~ 15/15)

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
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	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C209 (Except 3R3)	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:*
C221	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C231	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C251	Open	Normal operation.	AVR1:*
	Short	See page 14.	
C252	Open	See page 14.	
	Short	Normal operation.	AVR1:*
C253	Open	See page 14.	
	Short	Normal operation.	AVR1:*
C255 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	See page 14.	
C256 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C257 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	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
C502 (Except 12, 15, 24)	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

F M E A

Component	Mode	Comment	Output Voltage (V)
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C506 (Only 15, 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C507	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C508	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C509	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C510 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C511 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512 (Only 15, 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C531 (Only 15, 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C532 (Only 15, 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C533 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
C534	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C551 (Only 3R3, 5)	Open	See page 14.	
	Short	See page 14.	
C553 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	See page 14.	
C601 (Only 3R3, 5)	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 (Only 24, 36, 48)	Open	Normal operation.	AVR1:*
	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 14.	
	Short	No Hazard.	AVR1:0
D203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D212	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D221	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
D231	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
D511 (Only 12, 15, 3R3)	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D551 (Only 3R3, 5)	Open		See page 14.	
	Short		See page 14.	
D553 (Except 24, 36, 48)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D554 (Only 3R3, 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 3R3, 5)	Open	1	See page 14.	
		2	See page 14.	
		3	See page 14.	

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Component	Mode		Comment	Output Voltage (V)
IC501 (Only 3R3, 5)	Open	4	Output voltage decreased. No hazard.	AVR1:decreased
		5	See page 14.	
		6	See page 14.	
	Short	1-2	See page 14.	
		2-3	See page 14.	
		4-5	See page 14.	
		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
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
L201	Open		See page 14.	
	Short		Normal operation.	AVR1:*
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
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	Open		No Hazard.	AVR1:0
R203	Open		No Hazard.	AVR1:0
R204	Open		Normal operation.	AVR1:*
R205	Open		Normal operation.	AVR1:*
R207	Open		Output voltage decreased. No hazard.	AVR1:decreased
R208 (Except 3R3)	Open		No Hazard.	AVR1:0
R209	Open		Output voltage decreased. No hazard.	AVR1:decreased
R210	Open		No Hazard.	AVR1:0
R211	Open		No Hazard.	AVR1:0
R212	Open		No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
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
R223	Open	F101 opened, No hazard.	AVR1:0
R224	Open	F101 opened, No hazard.	AVR1:0
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:*
R253	Open	Normal operation.	AVR1:*
R254	Open	Normal operation.	AVR1:*
R255	Open	Normal operation.	AVR1:*
R256	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R257	Open	Normal operation.	AVR1:*
R258	Open	Normal operation.	AVR1:*
R259	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 (Except 15)	Open	Normal operation.	AVR1:*
R531 (Only 15, 3R3, 5)	Open	Normal operation.	AVR1:*
R537 (Except 36, 48)	Open	Normal operation.	AVR1:*
R538 (Except 36, 48)	Open	Normal operation.	AVR1:*
R551 (Only 3R3, 5)	Open	See page 14.	
R552 (Only 3R3, 5)	Open	See page 14.	
R553 (Only 3R3, 5)	Open	See page 14.	
R555 (Only 3R3, 5)	Open	See page 14.	
R556 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
R557 (Only 3R3, 5)	Open	See page 14.	
R601 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R602	Open	No Hazard.	AVR1:0
R603 (Except 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604	Open	Output voltage decreased. No hazard.	AVR1:decreased
R605 (Except 36, 48)	Open	No Hazard.	AVR1:0
R606	Open	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
R607	Open		No Hazard.	AVR1:0
R608	Open		No Hazard.	AVR1:0
R611	Open		No Hazard.	AVR1:0
R612 (Only 24, 36, 48)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R614 (Only 3R3, 5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R701	Open		Normal operation.	AVR1:*
R702 (Except 36, 48)	Open		Normal operation.	AVR1:*
R703	Open		Normal operation.	AVR1:*
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501 (Except 3R3, 5)	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T201	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	See page 15.	
		9	See page 15.	
		10	See page 15.	
		12	See page 15.	
		13	See page 15.	
		14	See page 15.	
	Short	2-3	F101 opened, No hazard.	AVR1:0
		13-14	F101 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	See page 15.	
		S	See page 15.	
		G	See page 15.	
	Short	D-S	See page 15.	
		S-G	See page 15.	
		G-D	See page 15.	
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	See page 15.	
	Short	D-S	See page 15.	
		S-G	Normal operation.	AVR1:*
		G-D	See page 15.	
TR281	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR281	Short	E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR501 (Only 3R3, 5)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See page 15.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	See page 15.	
		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:*
ZD601 (Only 36, 48)	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD701	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD702 (Only 36, 48)	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:*
C255 (Except 24, 36, 48)	Short		Output voltage decreased. No hazard.	AVR1:decreased
C551 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C553 (Only 3R3, 5)	Short		Normal operation.	AVR1:*
D201	Open		Normal operation.	AVR1:*
D551 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC501 (Only 3R3, 5)	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:*
L201	Open		Normal operation.	AVR1:*
R551 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
R552 (Only 3R3, 5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R553 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
R555 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
R557 (Only 3R3, 5)	Open		Normal operation.	AVR1:*

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
T201	Open	8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		13	Normal operation.	AVR1:*
		14	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	Open	G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR501 (Only 3R3, 5)	Open	G	Normal operation.	AVR1:*
	Short	S-G	Normal operation.	AVR1:*