



ABNORMAL TEST RESULT

OF MODEL PDW50F

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 ~ 13/14)
(Abnormal Test Result: 14/14 ~ 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:* AVR2:*
	Short	F101 opened, No hazard.	AVR1:0 AVR2:0
C105	Open	Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
	Short	F101 opened, No hazard.	AVR1:0 AVR2:0
C113	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C121	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C122	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C201	Open	Normal operation.	AVR1:* AVR2:*
	Short	See page 14.	
C202	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C203	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C204	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C207	Open	Normal operation.	AVR1:* AVR2:*
	Short	F101 opened, No hazard.	AVR1:0 AVR2:0
C211	Open	Normal operation.	AVR1:* AVR2:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
C212	Open	Normal operation.	AVR1:* AVR2:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)
C213	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C221	Open	No hazard.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C222	Open	No hazard.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:* AVR2:*
C252	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C501	Open	Normal operation.	AVR1:* AVR2:*
	Short	R501 opened. No hazard.	AVR1:* AVR2:*
C502	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C503	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C505	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C506	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C507	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C522	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C523	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*

F M E A

Component	Mode	Comment	Output Voltage (V)
C551	Open	Normal operation.	AVR1:* AVR2:*
	Short	R551 opened. No hazard.	AVR1:* AVR2:*
C552	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C553	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C555	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C556	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C557	Open	Normal operation.	AVR1:* AVR2:*
	Short	Normal operation.	AVR1:* AVR2:*
C601	Open	Normal operation.	AVR1:* AVR2:*
	Short	R601, R602 opened. No hazard.	AVR1:* AVR2:*
C640	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:0 AVR2:0
C651	Open	Normal operation.	AVR1:* AVR2:*
	Short	R651, R652 opened. No hazard.	AVR1:* AVR2:*
C711	Open	Normal operation.	AVR1:* AVR2:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
C721	Open	Normal operation.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:* AVR2:*
C731	Open	No hazard.	AVR1:* AVR2:*
	Short	No hazard.	AVR1:* AVR2:*



F M E A

Component	Mode		Comment	Output Voltage (V)
D101	Open		Normal operation.	AVR1:* AVR2:*
	Short		No hazard.	AVR1:0 AVR2:0
D201	Open		Normal operation.	AVR1:* AVR2:*
	Short		F101 opened, No hazard.	AVR1:0 AVR2:0
D202	Open		See page 14.	
	Short		No hazard.	AVR1:0 AVR2:0
D251	Open		F101 opened, No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
D252	Open		Normal operation.	AVR1:* AVR2:*
	Short		Normal operation.	AVR1:* AVR2:*
D511	Open		Normal operation.	AVR1:* AVR2:*
	Short		Normal operation.	AVR1:* AVR2:*
D711	Open		Normal operation.	AVR1:* AVR2:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
D712	Open		Normal operation.	AVR1:* AVR2:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
IC201	Open	1	No hazard.	AVR1:0 AVR2:0
		2	No hazard.	AVR1:0 AVR2:0
		3	F101 opened, No hazard.	AVR1:0 AVR2:0
		4	No hazard.	AVR1:0 AVR2:0
		5	No hazard.	AVR1:0 AVR2:0
		6	No hazard.	AVR1:0 AVR2:0
		8	Normal operation.	AVR1:* AVR2:*
	Short	1-2	No hazard.	AVR1:0 AVR2:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	2-3	No hazard.	AVR1:0 AVR2:0
		3-4	F101 opened, No hazard.	AVR1:0 AVR2:0
		5-6	IC201 opened, No hazard.	AVR1:0 AVR2:0
IC701	Open	1	No hazard.	AVR1:0 AVR2:0
		2	No hazard.	AVR1:0 AVR2:0
		3	No hazard.	AVR1:0 AVR2:0
	Short	1-2	No hazard.	AVR1:0 AVR2:0
L101	Open	1	No hazard.	AVR1:0 AVR2:0
		2	No hazard.	AVR1:0 AVR2:0
		3	No hazard.	AVR1:0 AVR2:0
		4	No hazard.	AVR1:0 AVR2:0
L201	Open		See page 14.	
	Short		No hazard.	AVR1:0 AVR2:0
L202	Open		Normal operation.	AVR1:* AVR2:*
	Short		Normal operation.	AVR1:* AVR2:*
L203	Open		Normal operation.	AVR1:* AVR2:*
	Short		Normal operation.	AVR1:* AVR2:*
L251	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
L501	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
L551	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
PC301	Open	A, K	No hazard.	AVR1:0 AVR2:0



F M E A

Component	Mode		Comment	Output Voltage (V)	
PC301	Open	C, E	No hazard.	AVR1:0	AVR2:0
	Short	A-K	No hazard.	AVR1:0	AVR2:0
		C-E	No hazard.	AVR1:0	AVR2:0
PC302	Open	A, K	Normal operation.	AVR1:**	AVR2:**
		C, E	Normal operation.	AVR1:**	AVR2:**
	Short	A-K	Normal operation.	AVR1:**	AVR2:**
		C-E	No hazard.	AVR1:0	AVR2:0
PTH521	Open		No hazard.	AVR1:0	AVR2:0
	Short		Normal operation.	AVR1:**	AVR2:**
R101	Open		Normal operation.	AVR1:**	AVR2:**
R102	Open		Normal operation.	AVR1:**	AVR2:**
R103	Open		Normal operation.	AVR1:**	AVR2:**
R104	Open		Normal operation.	AVR1:**	AVR2:**
R105	Open		Normal operation.	AVR1:**	AVR2:**
R110	Open		Normal operation.	AVR1:**	AVR2:**
R111	Open		Normal operation.	AVR1:**	AVR2:**
R112	Open		Normal operation.	AVR1:**	AVR2:**
R113	Open		Normal operation.	AVR1:**	AVR2:**
R114	Open		Normal operation.	AVR1:**	AVR2:**
R115	Open		Normal operation.	AVR1:**	AVR2:**
R201	Open		No hazard.	AVR1:0	AVR2:0
R202	Open		No hazard.	AVR1:0	AVR2:0
R203	Open		No hazard.	AVR1:0	AVR2:0
R204	Open		No hazard.	AVR1:0	AVR2:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R205	Open	Normal operation.	AVR1:* AVR2:*
R206	Open	Normal operation.	AVR1:* AVR2:*
R209	Open	Normal operation.	AVR1:* AVR2:*
R210	Open	Normal operation.	AVR1:* AVR2:*
R211	Open	No hazard.	AVR1:0 AVR2:0
R212	Open	No hazard.	AVR1:0 AVR2:0
R213	Open	See page 14.	
R221	Open	No hazard.	AVR1:* AVR2:*
R222	Open	No hazard.	AVR1:0 AVR2:0
R231	Open	F101 opened, No hazard.	AVR1:0 AVR2:0
R232	Open	No hazard.	AVR1:0 AVR2:0
R233	Open	Normal operation.	AVR1:* AVR2:*
R234	Open	Normal operation.	AVR1:* AVR2:*
R235	Open	F101 opened, No hazard.	AVR1:0 AVR2:0
R251	Open	No hazard.	AVR1:0 AVR2:0
R253	Open	See page 14.	
R254	Open	No hazard.	AVR1:0 AVR2:0
R255	Open	Normal operation.	AVR1:* AVR2:*
R281	Open	Normal operation.	AVR1:* AVR2:*
R501	Open	Normal operation.	AVR1:* AVR2:*
R502	Open	Normal operation.	AVR1:* AVR2:*
R510	Open	Normal operation.	AVR1:* AVR2:*
R511	Open	Normal operation.	AVR1:* AVR2:*
R518	Open	Normal operation.	AVR1:* AVR2:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R521	Open	Normal operation.	AVR1:* AVR2:*
R522	Open	No hazard.	AVR1:0 AVR2:0
R523	Open	Normal operation.	AVR1:* AVR2:*
R524	Open	Normal operation.	AVR1:* AVR2:*
R525	Open	Normal operation.	AVR1:* AVR2:*
R526	Open	Normal operation.	AVR1:* AVR2:*
R527	Open	Normal operation.	AVR1:* AVR2:*
R528	Open	Normal operation.	AVR1:* AVR2:*
R529	Open	Normal operation.	AVR1:* AVR2:*
R530	Open	Normal operation.	AVR1:* AVR2:*
R531	Open	Normal operation.	AVR1:* AVR2:*
R532	Open	Normal operation.	AVR1:* AVR2:*
R533	Open	Normal operation.	AVR1:* AVR2:*
R534	Open	Normal operation.	AVR1:* AVR2:*
R535	Open	Normal operation.	AVR1:* AVR2:*
R537	Open	Normal operation.	AVR1:* AVR2:*
R538	Open	Normal operation.	AVR1:* AVR2:*
R539	Open	Normal operation.	AVR1:* AVR2:*
R551	Open	Normal operation.	AVR1:* AVR2:*
R552	Open	Normal operation.	AVR1:* AVR2:*
R560	Open	Normal operation.	AVR1:* AVR2:*
R563	Open	Normal operation.	AVR1:* AVR2:*
R580	Open	Normal operation.	AVR1:* AVR2:*
R581	Open	Normal operation.	AVR1:* AVR2:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R582	Open	Normal operation.	AVR1:* AVR2:*
R583	Open	Normal operation.	AVR1:* AVR2:*
R584	Open	Normal operation.	AVR1:* AVR2:*
R585	Open	Normal operation.	AVR1:* AVR2:*
R587	Open	Normal operation.	AVR1:* AVR2:*
R588	Open	Normal operation.	AVR1:* AVR2:*
R589	Open	Normal operation.	AVR1:* AVR2:*
R599	Open	Normal operation.	AVR1:* AVR2:*
R601	Open	Normal operation.	AVR1:* AVR2:*
R602	Open	Normal operation.	AVR1:* AVR2:*
R651	Open	Normal operation.	AVR1:* AVR2:*
R652	Open	Normal operation.	AVR1:* AVR2:*
R710	Open	No hazard.	AVR1:0 AVR2:0
R711	Open	No hazard.	AVR1:0 AVR2:0
R712	Open	No hazard.	AVR1:0 AVR2:0
R713	Open	No hazard.	AVR1:0 AVR2:0
R715	Open	Normal operation.	AVR1:* AVR2:*
R716	Open	Normal operation.	AVR1:* AVR2:*
R720 (Only -12)	Open	No hazard.	AVR1:0 AVR2:0
R721	Open	No hazard.	AVR1:0 AVR2:0
R723	Open	No hazard.	AVR1:* AVR2:*
R731	Open	No hazard.	AVR1:* AVR2:*
R732	Open	No hazard.	AVR1:0 AVR2:0
R741	Open	No hazard.	AVR1:* AVR2:*



F M E A

Component	Mode		Comment	Output Voltage (V)
R742	Open		No hazard.	AVR1:* AVR2:*
SS101	Open		No hazard.	AVR1:0 AVR2:0
	Short		F101 opened, No hazard.	AVR1:0 AVR2:0
SS501	Open		No hazard.	AVR1:0 AVR2:0
	Short		No hazard.	AVR1:0 AVR2:0
SS551	Open		No hazard.	AVR1:0 AVR2:0
	Short		No hazard.	AVR1:0 AVR2:0
T201	Open	2	No hazard.	AVR1:0 AVR2:0
		3	No hazard.	AVR1:0 AVR2:0
		4	No hazard.	AVR1:0 AVR2:0
		5	No hazard.	AVR1:0 AVR2:0
		6	No hazard.	AVR1:0 AVR2:0
		7	No hazard.	AVR1:0 AVR2:0
		9	See page 14.	
		10	See page 14.	
	Short	2-3	No hazard.	AVR1:0 AVR2:0
		3-4	No hazard.	AVR1:0 AVR2:0
		4-5	No hazard.	AVR1:0 AVR2:0
		6-7	F101 opened, No hazard.	AVR1:0 AVR2:0
		9-10	No hazard.	AVR1:0 AVR2:0
TH101	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*
TR201	Open	D	No hazard.	AVR1:0 AVR2:0
		S	No hazard.	AVR1:0 AVR2:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR201	Open	G	No hazard.	AVR1:0 AVR2:0
	Short	D-S	See page 14.	
		S-G	No hazard.	AVR1:0 AVR2:0
		G-D	See page 14.	
TR251	Open	C	See page 14.	
		E	No hazard.	AVR1:0 AVR2:0
		B	No hazard.	AVR1:0 AVR2:0
	Short	C-E	Normal operation.	AVR1:* AVR2:*
		E-B	Normal operation.	AVR1:* AVR2:*
		B-C	Normal operation.	AVR1:* AVR2:*
TR521	Open	1 (1)	Normal operation.	AVR1:* AVR2:*
		1 (2)	Normal operation.	AVR1:* AVR2:*
		2 (3)	Normal operation.	AVR1:* AVR2:*
		2 (4)	Normal operation.	AVR1:* AVR2:*
		2 (5)	Normal operation.	AVR1:* AVR2:*
		1 (6)	Normal operation.	AVR1:* AVR2:*
	Short	1-1 (1-2)	Normal operation.	AVR1:* AVR2:*
		1-2 (2-3)	Normal operation.	AVR1:* AVR2:*
		2-2 (4-5)	Normal operation.	AVR1:* AVR2:*
		2-1 (5-6)	Normal operation.	AVR1:* AVR2:*
TR561	Open	C	Normal operation.	AVR1:* AVR2:*
		E	Normal operation.	AVR1:* AVR2:*
		B	Normal operation.	AVR1:* AVR2:*
	Short	C-E	No hazard.	AVR1:0 AVR2:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR561	Short	E-B	Normal operation.	AVR1:* AVR2:*
		B-C	No hazard.	AVR1:0 AVR2:0
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased AVR2:decreased
			No hazard.	AVR1:0 AVR2:0
	Short		Output voltage increased. No hazard.	AVR1:increased AVR2:increased
ZD201	Open		Normal operation.	AVR1:* AVR2:*
	Short		See page 14.	
ZD511	Open		Normal operation.	AVR1:* AVR2:*
	Short		No hazard.	AVR1:0 AVR2:0
ZD521	Open		Normal operation.	AVR1:* AVR2:*
	Short		Normal operation.	AVR1:* AVR2:*
ZD562	Open		Normal operation.	AVR1:* AVR2:*
	Short		No hazard.	AVR1:0 AVR2:0
ZD721 (Only -15)	Open		No hazard.	AVR1:0 AVR2:0
	Short		Normal operation.	AVR1:* AVR2:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C201	Short		No hazard.	AVR1:0 AVR2:0
D202	Open		Normal operation.	AVR1:* AVR2:*
L201	Open		Normal operation.	AVR1:* AVR2:*
R213	Open		Normal operation.	AVR1:* AVR2:*
R253	Open		F101 opened, No hazard.	AVR1:0 AVR2:0
T201	Open	9	Normal operation.	AVR1:* AVR2:*
		10	Normal operation.	AVR1:* AVR2:*
TR201	Short	D-S	F101 opened, No hazard.	AVR1:0 AVR2:0
		G-D	F101 opened, No hazard.	AVR1:0 AVR2:0
TR251	Open	C	F101 opened, No hazard.	AVR1:0 AVR2:0
ZD201	Short		Normal operation.	AVR1:* AVR2:*