

ABNORMAL TEST RESULT

OF MODEL PDA150F

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 : 2/25 ~ 24/25)

(Abnormal Test Result: 25/25 ~ 25/25)

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
C102	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C105	Open	See page 25.	
	Short	F101 opened, No hazard.	AVR1:0
C108	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C110	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C115	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C117	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C120	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C121	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C122	Open	See page 25.	
	Short	F101 opened, No hazard.	AVR1:0
C123	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C124	Open	See page 25.	
	Short	F101 opened, No hazard.	AVR1:0
C125	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C126	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C128	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C130	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C131	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C132	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C201	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Open	See page 25.	
	Short	No Hazard.	AVR1:0
C205 (Except 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	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
C210	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C230	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C251	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C252	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C253	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C255 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C256	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C257	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C501	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C502	Open	Normal operation.	AVR1:*
	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
C507	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
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	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C511 (Except 12)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C525	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C528	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C531	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C532 (Only 12, 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C539 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C541 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C601 (Only 3R3)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
C603 (Only 3R3)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C606	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C607	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C610 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C613	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D101	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D102	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D103	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D104	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D106	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D107	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
D108	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D110	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D111	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D112	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D114	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D201	Open	See page 25.	
	Short	See page 25.	
D202	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D203	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D204	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
D209	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D230	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D501 (Only 24, 36, 48)	Open		See page 25.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D502 (Only 24, 36, 48)	Open		See page 25.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D503 (Only 24, 36, 48)	Open		See page 25.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D504	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D542 (Only 3R3, 5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	AVR1:*
IC101	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
IC101	Short	3-4	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	No Hazard.	AVR1:0
		6-7	F101 opened, No hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC201	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	No Hazard.	AVR1:0
		3	F101 opened, No hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		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
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC501 (Except 24, 36, 48)	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	See page 25.	
		5	See page 25.	
		6	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
IC501 (Except 24, 36, 48)	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	See page 25.	
		5-6	See page 25.	
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	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
J501	Open		No Hazard.	AVR1:0
J502 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	F101 opened, No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	F101 opened, No hazard.	AVR1:0
L102	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
L102	Open	4	No Hazard.	AVR1:0
	Short	1-2	F101 opened, No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	F101 opened, No hazard.	AVR1:0
L104	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
		6	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	F101 opened, No hazard.	AVR1:0
		2-3	F101 opened, No hazard.	AVR1:0
L105	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L201	Open		See page 25.	
	Short		Normal operation.	AVR1:*
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L502	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	No Hazard.	AVR1:0
PC202	Open	A, K	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
PC202	Open	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:*
R106	Open		Normal operation.	AVR1:*
R107	Open		Normal operation.	AVR1:*
R108	Open		Normal operation.	AVR1:*
R109	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R112	Open		Normal operation.	AVR1:*
R115	Open		F101 opened, No hazard.	AVR1:0
R116	Open		Normal operation.	AVR1:*
R117	Open		Normal operation.	AVR1:*
R118	Open		Normal operation.	AVR1:*
R122	Open		No Hazard.	AVR1:0
R123	Open		No Hazard.	AVR1:0
R124	Open		No Hazard.	AVR1:0
R125	Open		Normal operation.	AVR1:*
R126	Open		F101 opened, No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
R127	Open	Normal operation.	AVR1:*
R128	Open	Normal operation.	AVR1:*
R129	Open	Output voltage decreased. No hazard.	AVR1:decreased
R130	Open	Normal operation.	AVR1:*
R131	Open	Normal operation.	AVR1:*
R132	Open	Normal operation.	AVR1:*
R133	Open	No Hazard.	AVR1:0
R134	Open	Normal operation.	AVR1:*
R135	Open	Output voltage decreased. No hazard.	AVR1:decreased
R136	Open	Output voltage decreased. No hazard.	AVR1:decreased
R137	Open	Output voltage decreased. No hazard.	AVR1:decreased
R138	Open	Normal operation.	AVR1:*
R139	Open	Output voltage decreased. No hazard.	AVR1:decreased
R141	Open	No Hazard.	AVR1:0
R142	Open	No Hazard.	AVR1:0
R143	Open	See page 25.	
R144	Open	No Hazard.	AVR1:0
R145	Open	Normal operation.	AVR1:*
R146	Open	No Hazard.	AVR1:0
R147	Open	F101 opened, No hazard.	AVR1:0
R148	Open	F101 opened, No hazard.	AVR1:0
R149	Open	Normal operation.	AVR1:*
R150	Open	Normal operation.	AVR1:*
R151	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R153	Open	Normal operation.	AVR1:*
R154	Open	Normal operation.	AVR1:*
R201	Open	Normal operation.	AVR1:*
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R205	Open	No Hazard.	AVR1:0
R206	Open	Output voltage decreased. No hazard.	AVR1:decreased
R207	Open	Output voltage decreased. No hazard.	AVR1:decreased
R208	Open	Normal operation.	AVR1:*
R213	Open	F101 opened, No hazard.	AVR1:0
R214	Open	No Hazard.	AVR1:0
R215	Open	Normal operation.	AVR1:*
R216	Open	F101 opened, No hazard.	AVR1:0
R218	Open	Normal operation.	AVR1:*
R220	Open	Output voltage decreased. No hazard.	AVR1:decreased
R221	Open	Output voltage decreased. No hazard.	AVR1:decreased
R222	Open	Output voltage decreased. No hazard.	AVR1:decreased
R224	Open	Output voltage decreased. No hazard.	AVR1:decreased
R225	Open	Normal operation.	AVR1:*
R226	Open	Normal operation.	AVR1:*
R227	Open	Output voltage decreased. No hazard.	AVR1:decreased
R228 (Except 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R229	Open	No Hazard.	AVR1:0
R230	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R231	Open	Normal operation.	AVR1:*
R233	Open	No Hazard.	AVR1:0
R242	Open	Normal operation.	AVR1:*
R243	Open	Normal operation.	AVR1:*
R251	Open	Normal operation.	AVR1:*
R252	Open	Normal operation.	AVR1:*
R253	Open	Output voltage decreased. No hazard.	AVR1:decreased
R254	Open	Normal operation.	AVR1:*
R255	Open	Normal operation.	AVR1:*
R256	Open	Normal operation.	AVR1:*
R257	Open	Normal operation.	AVR1:*
R258	Open	Normal operation.	AVR1:*
R259	Open	Normal operation.	AVR1:*
R260	Open	Normal operation.	AVR1:*
R261	Open	Normal operation.	AVR1:*
R262	Open	Normal operation.	AVR1:*
R263	Open	Normal operation.	AVR1:*
R264	Open	Normal operation.	AVR1:*
R265	Open	Normal operation.	AVR1:*
R266	Open	Normal operation.	AVR1:*
R267	Open	Normal operation.	AVR1:*
R268	Open	Normal operation.	AVR1:*
R269	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R502	Open	Normal operation.	AVR1:*
R505	Open	Normal operation.	AVR1:*
R506	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R520	Open	Normal operation.	AVR1:*
R521 (Only 12, 3R3, 5)	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R531 (Except 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R532 (Except 24, 36, 48)	Open	No Hazard.	AVR1:0
R533 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
R534 (Except 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R536 (Only 12, 15)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R537 (Except 24, 36, 48)	Open	Normal operation.	AVR1:*
R540 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R541 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R542 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R543 (Only 3R3, 5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R544 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
R545 (Only 3R3, 5)	Open	Normal operation.	AVR1:*
R601	Open	No Hazard.	AVR1:0
R603 (Only 3R3)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604 (Except 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R605 (Only 24, 36, 48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R606	Open	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
R607 (Except 36, 48)	Open		No Hazard.	AVR1:0
R608	Open		No Hazard.	AVR1:0
R609	Open		No Hazard.	AVR1:0
R610	Open		Output voltage decreased. No hazard.	AVR1:decreased
R615 (Only 3R3, 5)	Open		Output voltage decreased. No hazard.	AVR1:decreased
R619	Open		No Hazard.	AVR1:0
R699	Open		No Hazard.	AVR1:0
SK101	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
SS101	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
SS102	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
T201	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	F101 opened, No hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
T201	Short	8-9	Output voltage decreased. No hazard.	AVR1:decreased
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	See page 25.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 25.	
TR102	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR103	Open	1 (1)	Normal operation.	AVR1:*
		1 (2)	Normal operation.	AVR1:*
		2 (3)	Normal operation.	AVR1:*
		2 (4)	Normal operation.	AVR1:*
		2 (5)	Normal operation.	AVR1:*
		1 (6)	Normal operation.	AVR1:*
	Short	1-1 (1-2)	Normal operation.	AVR1:*
		1-2 (2-3)	Normal operation.	AVR1:*
		2-2 (4-5)	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR103	Short	2-1 (5-6)	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	See page 25.	
		S-G	F101 opened, No hazard.	AVR1:0
		G-D	See page 25.	
TR203	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
TR204	Open	E (1)	Normal operation.	AVR1:*
		B (2)	Normal operation.	AVR1:*
		C (3)	Normal operation.	AVR1:*
		E (4)	Normal operation.	AVR1:*
		B (5)	Normal operation.	AVR1:*
		C (6)	Normal operation.	AVR1:*
	Short	E-B (1-2)	Normal operation.	AVR1:*
		B-C (2-3)	Normal operation.	AVR1:*
		E-B (4-5)	Normal operation.	AVR1:*
		B-C (5-6)	No Hazard.	AVR1:0
TR205	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR205	Open	G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR206	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*
TR251	Open	D	F101 opened, No hazard.	AVR1:0
		S	F101 opened, No hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR501 (Except 24, 36, 48)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See page 25.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR502 (Except 24, 36, 48)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR502 (Except 24, 36, 48)	Open	G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR503 (Only 12, 3R3, 5)	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR540 (Only 3R3, 5)	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR541 (Only 3R3, 5)	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR542 (Only 3R3, 5)	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
TR542 (Only 3R3, 5)	Open	B	Normal operation.	AVR1:*
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	AVR1:*
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
VR601	Open	brush	No Hazard.	AVR1:0
			No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD101	Open		F101 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD102	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD103	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD201	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD251	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD501 (Only 3R3, 5)	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD520 (Except 12, 3R3, 5)	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD521	Open		Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
ZD521	Short	No Hazard.	AVR1:0
ZD601 (Only 36, 48)	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C105	Open		Normal operation.	AVR1:*
C122	Open		Normal operation.	AVR1:*
C124	Open		Normal operation.	AVR1:*
C202	Open		Output voltage decreased. No hazard.	AVR1:decreased
D201	Open		Output voltage decreased. No hazard.	AVR1:decreased
D501 (Only 24, 36, 48)	Open		Normal operation.	AVR1:*
D502 (Only 24, 36, 48)	Open		Normal operation.	AVR1:*
D503 (Only 24, 36, 48)	Open		Normal operation.	AVR1:*
IC501 (Except 24, 36, 48)	Open	4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
	Short	4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
L201	Open		Output voltage decreased. No hazard.	AVR1:decreased
R143	Open		No Hazard.	AVR1:0
TR101	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR201	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR501 (Except 24, 36, 48)	Open	G	Output voltage decreased. No hazard.	AVR1:decreased