

## ABNORMAL TEST RESULT

## OF MODEL PJA1500F

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 : 2/45 ~ 41/45)

( Abnormal Test Result: 42/45 ~ 45/45)

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	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	No Hazard.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C107	Open	No Hazard.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C108	Open	No Hazard.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C109	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C110	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C112	Open	No Hazard.	AVR1:0
	Short	See 42 Page.	
C114	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C115	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C117	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C118	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
C119	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	F101 opened, No hazard.	AVR1:0
C120	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C122	Open	No Hazard.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
C123	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C125	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C130	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C131	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C132	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C133	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C134	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C135	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C136	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C137	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C138	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C139	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C140	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C141	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C142	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C143	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C144	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C147	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C170	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C171	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C172	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C173	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C180	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C181	Open	R180, R181 opened, No hazard.	AVR1:0
	Short	R180, R181 opened, No hazard.	AVR1:0
C182	Open	R180, R181 opened, No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C183	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
C201	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C202	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C203	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C204	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C205	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C206	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C208	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C209	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C214	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C215	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C220	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C221	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
C222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C250	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C251	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C252	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C253	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C254	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C255	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C270	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C271	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C272	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C273	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C274	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C275	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C276	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C277	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C290 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C291 (Only -24)	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
C508	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased



## F M E A

Component	Mode	Comment	Output Voltage (V)
C511	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C512 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C513	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C514 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C515	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C516	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C517 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C518 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C519	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C520	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C521	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C522	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C523 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C524 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C528 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C529 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C550	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C551	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C560	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C561	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C562	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C563	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C582	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C591	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C592	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C593	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C594	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C595 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C596 (Only -24)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C604 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C605	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C606	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C607	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C608	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C701	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
C702	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C704	Open	No hazard.	AVR1:0
	Short	See 42 Page.	
C705	Open	No hazard.	AVR1:0
	Short	See 42 Page.	
C706	Open	No hazard.	AVR1:0
	Short	See 42 Page.	
C707	Open	No hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C708	Open	No hazard.	AVR1:0
	Short	See 42 Page.	
C710	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C711	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D101	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D102	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D103	Open	See 42 Page.	
	Short	Normal operation.	AVR1:*
D104	Open	See 42 Page.	
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
D105	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D106	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
D107	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
D108	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
D109	Open	R180, R181 opened, No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D110	Open	Normal operation.	AVR1:*
	Short	See 42 Page.	
D111	Open	F101 opened, No hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
D112	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D113	Open	Normal operation.	AVR1:*
	Short	R180, R181 opened, No hazard.	AVR1:0
D114	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D170	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D171	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
D180	Open	R180, R181 opened, No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D181	Open	R180, R181 opened, No hazard.	AVR1:0
	Short	R180, R181 opened, No hazard.	AVR1:0
D201	Open	Normal operation.	AVR1:*
	Short	See 43 Page.	
D202	Open	Normal operation.	AVR1:*
	Short	See 43 Page.	
D203	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D204	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D205	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D207	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D208	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D250	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
D251	Open		See 43 Page.	
	Short		Normal operation.	AVR1:*
D252	Open		Normal operation.	AVR1:*
	Short		See 43 Page.	
D253	Open		Normal operation.	AVR1:*
	Short		See 43 Page.	
D270	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D271	Open		See 43 Page.	
	Short		Normal operation.	AVR1:*
D272	Open		Normal operation.	AVR1:*
	Short		See 43 Page.	
D273	Open		Normal operation.	AVR1:*
	Short		See 43 Page.	
D701	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D703	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
FAN701	Open	1	See 43 Page.	
		2	See 43 Page.	
	Short	1-2	See 43 Page.	
FAN702	Open	1	See 43 Page.	
		2	See 43 Page.	
	Short	1-2	See 43 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	1	R180, R181 opened, No hazard.	AVR1:0
		2	R180, R181 opened, No hazard.	AVR1:0
		3	R180, R181 opened, No hazard.	AVR1:0
		4	R180, R181 opened, No hazard.	AVR1:0
		5	R180, R181 opened, No hazard.	AVR1:0
		6	R180, R181 opened, No hazard.	AVR1:0
		7	R180, R181 opened, No hazard.	AVR1:0
		8	R180, R181 opened, No hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	R180, R181 opened, No hazard.	AVR1:0
		3-4	R180, R181 opened, No hazard.	AVR1:0
		5-6	R180, R181 opened, No hazard.	AVR1:0
		6-7	R180, R181 opened, No hazard.	AVR1:0
		7-8	F101 opened, No hazard.	AVR1:0
IC102	Open	2	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	No Hazard.	AVR1:0
	Short	5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0



## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	F101 opened, No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No Hazard.	AVR1:0
IC501 (Only -48)	Open	K	Normal operation.	AVR1:*
		A	Normal operation.	AVR1:*
		R	Normal operation.	AVR1:*
	Short	A-K	No Hazard.	AVR1:0
		K-R	No Hazard.	AVR1:0
		R-A	Normal operation.	AVR1:*
IC601	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		K-R	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No Hazard.	AVR1:0
IC701	Open	1	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
J201	Open		No Hazard.	AVR1:0
J601 (Only -24)	Open		No Hazard.	AVR1:0
J602	Open		No Hazard.	AVR1:0
J603	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
	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
		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
L103	Open	3, 4, 5	No Hazard.	AVR1:0
		8, 9, 10	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
L103	Open	12	See 43 Page.	
		14	See 43 Page.	
L104	Open		See 43 Page.	
	Short		Normal operation.	AVR1:*
L105	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L207	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L208	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L517	Open	A	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
		1	No Hazard.	AVR1:0
		2 only 24	No Hazard.	AVR1:0
		14 only 48	No Hazard.	AVR1:0
	Short	A-B	See 43 Page.	
		1-2 only 2	See 43 Page.	
L530	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L531	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
LED501	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	Open	A, K	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Open	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:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
PTH202	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
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		No Hazard.	AVR1:0
R111	Open		No Hazard.	AVR1:0
R112	Open		No Hazard.	AVR1:0
R113	Open		Normal operation.	AVR1:*
R114	Open		No Hazard.	AVR1:0
R115	Open		No Hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
R116	Open	No Hazard.	AVR1:0
R117	Open	No Hazard.	AVR1:0
R118	Open	No Hazard.	AVR1:0
R119	Open	No Hazard.	AVR1:0
R120	Open	R180, R181 opened, No hazard.	AVR1:0
R121	Open	R180, R181 opened, No hazard.	AVR1:0
R122	Open	See 43 Page.	
R123	Open	Normal operation.	AVR1:*
R124	Open	Normal operation.	AVR1:*
R125	Open	Normal operation.	AVR1:*
R126	Open	Normal operation.	AVR1:*
R127	Open	Normal operation.	AVR1:*
R128	Open	Normal operation.	AVR1:*
R129	Open	Output voltage decreased. No hazard.	AVR1:decreased
R130	Open	R180, R181 opened, No hazard.	AVR1:0
R131	Open	R180, R181 opened, No hazard.	AVR1:0
R132	Open	Normal operation.	AVR1:*
R133	Open	R180, R181 opened, No hazard.	AVR1:0
R134	Open	Normal operation.	AVR1:*
R135	Open	Normal operation.	AVR1:*
R136	Open	Normal operation.	AVR1:*
R137	Open	Normal operation.	AVR1:*
R138	Open	Normal operation.	AVR1:*
R139	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R140	Open	Normal operation.	AVR1:*
R141	Open	Normal operation.	AVR1:*
R142	Open	Normal operation.	AVR1:*
R143	Open	Normal operation.	AVR1:*
R144	Open	Normal operation.	AVR1:*
R145	Open	Normal operation.	AVR1:*
R146	Open	R180, R181 opened, No hazard.	
R147	Open	R180, R181 opened, No hazard.	
R148	Open	R180, R181 opened, No hazard.	
R149	Open	R180, R181 opened, No hazard.	
R150	Open	R180, R181 opened, No hazard.	AVR1:0
R151	Open	R180, R181 opened, No hazard.	AVR1:0
R152	Open	Output voltage decreased. No hazard.	AVR1:decreased
R153	Open	Output voltage decreased. No hazard.	AVR1:decreased
R154	Open	Output voltage decreased. No hazard.	AVR1:decreased
R155	Open	Output voltage decreased. No hazard.	AVR1:decreased
R156	Open	Normal operation.	AVR1:*
R157	Open	Normal operation.	AVR1:*
R158	Open	Normal operation.	AVR1:*
R159	Open	Normal operation.	AVR1:*
R160	Open	Normal operation.	AVR1:*
R161	Open	Normal operation.	AVR1:*
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R164	Open	Normal operation.	AVR1:*
R165	Open	Normal operation.	AVR1:*
R166	Open	Normal operation.	AVR1:*
R167	Open	Normal operation.	AVR1:*
R171	Open	No Hazard.	AVR1:0
R172	Open	No Hazard.	AVR1:0
R173	Open	No Hazard.	AVR1:0
R174	Open	No Hazard.	AVR1:0
R175	Open	Normal operation.	AVR1:*
R176	Open	No Hazard.	AVR1:0
R177	Open	Normal operation.	AVR1:*
R180	Open	Normal operation.	AVR1:*
R181	Open	Normal operation.	AVR1:*
R182	Open	Normal operation.	AVR1:*
R183	Open	Normal operation.	AVR1:*
R184	Open	Normal operation.	AVR1:*
R185	Open	Normal operation.	AVR1:*
R186	Open	R180, R181 opened, No hazard.	AVR1:0
R187	Open	R180, R181 opened, No hazard.	AVR1:0
R188	Open	Normal operation.	AVR1:*
R189	Open	Normal operation.	AVR1:*
R190	Open	Normal operation.	AVR1:*
R201	Open	Normal operation.	AVR1:*
R202	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R205	Open	Normal operation.	AVR1:*
R206	Open	Normal operation.	AVR1:*
R207	Open	Normal operation.	AVR1:*
R208	Open	Normal operation.	AVR1:*
R209	Open	Normal operation.	AVR1:*
R214	Open	Normal operation.	AVR1:*
R215	Open	Normal operation.	AVR1:*
R219	Open	Normal operation.	AVR1:*
R220	Open	Normal operation.	AVR1:*
R223	Open	Normal operation.	AVR1:*
R225	Open	Normal operation.	AVR1:*
R226	Open	No Hazard.	AVR1:0
R227	Open	No Hazard.	AVR1:0
R228	Open	Normal operation.	AVR1:*
R230	Open	Output voltage decreased. No hazard.	AVR1:decreased
R231	Open	Normal operation.	AVR1:*
R232	Open	Normal operation.	AVR1:*
R234	Open	No Hazard.	AVR1:0
R235	Open	No Hazard.	AVR1:0
R236	Open	Normal operation.	AVR1:*
R237	Open	Normal operation.	AVR1:*
R238	Open	Normal operation.	AVR1:*



## F M E A

Component	Mode	Comment	Output Voltage (V)
R239	Open	Normal operation.	AVR1:*
R240	Open	Normal operation.	AVR1:*
R241	Open	Normal operation.	AVR1:*
R242	Open	See 43 Page.	
R243	Open	See 43 Page.	
R246	Open	Normal operation.	AVR1:*
R248	Open	Normal operation.	AVR1:*
R249	Open	Normal operation.	AVR1:*
R250	Open	See 43 Page.	
R251	Open	No Hazard.	AVR1:0
R252	Open	No Hazard.	AVR1:0
R253	Open	See 43 Page.	
R254	Open	See 43 Page.	
R255	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:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R267	Open	Normal operation.	AVR1:*
R268	Open	Normal operation.	AVR1:*
R270	Open	See 43 Page.	
R271	Open	No Hazard.	AVR1:0
R272	Open	No Hazard.	AVR1:0
R273	Open	See 43 Page.	
R274	Open	See 43 Page.	
R275	Open	Normal operation.	AVR1:*
R277	Open	Normal operation.	AVR1:*
R278	Open	Normal operation.	AVR1:*
R279	Open	Normal operation.	AVR1:*
R280	Open	Normal operation.	AVR1:*
R281	Open	Normal operation.	AVR1:*
R282	Open	Normal operation.	AVR1:*
R283	Open	Normal operation.	AVR1:*
R284	Open	Normal operation.	AVR1:*
R285	Open	Normal operation.	AVR1:*
R286	Open	Normal operation.	AVR1:*
R287	Open	Normal operation.	AVR1:*
R288	Open	Normal operation.	AVR1:*
R291	Open	Normal operation.	AVR1:*
R292 (Only -24)	Open	Normal operation.	AVR1:*
R293 (Only -24)	Open	Normal operation.	AVR1:*
R294	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R295	Open	Normal operation.	AVR1:*
R501	Open	Normal operation.	AVR1:*
R502	Open	Normal operation.	AVR1:*
R503	Open	Normal operation.	AVR1:*
R504	Open	Normal operation.	AVR1:*
R505	Open	Normal operation.	AVR1:*
R506	Open	Normal operation.	AVR1:*
R507	Open	Normal operation.	AVR1:*
R508	Open	Normal operation.	AVR1:*
R509	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R511	Open	Normal operation.	AVR1:*
R512	Open	Normal operation.	AVR1:*
R513	Open	Normal operation.	AVR1:*
R514	Open	Normal operation.	AVR1:*
R515	Open	Normal operation.	AVR1:*
R516	Open	Normal operation.	AVR1:*
R517	Open	Normal operation.	AVR1:*
R518	Open	Normal operation.	AVR1:*
R519	Open	Normal operation.	AVR1:*
R520	Open	Normal operation.	AVR1:*
R521	Open	Normal operation.	AVR1:*
R522	Open	Normal operation.	AVR1:*
R523	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R524	Open	Normal operation.	AVR1:*
R525	Open	Normal operation.	AVR1:*
R526	Open	Normal operation.	AVR1:*
R527	Open	Normal operation.	AVR1:*
R528	Open	Normal operation.	AVR1:*
R529	Open	Normal operation.	AVR1:*
R530	Open	Normal operation.	AVR1:*
R531	Open	Normal operation.	AVR1:*
R532	Open	Normal operation.	AVR1:*
R533	Open	Normal operation.	AVR1:*
R534	Open	Normal operation.	AVR1:*
R535	Open	Normal operation.	AVR1:*
R536	Open	Normal operation.	AVR1:*
R537	Open	Normal operation.	AVR1:*
R538	Open	Normal operation.	AVR1:*
R539	Open	Normal operation.	AVR1:*
R540	Open	Normal operation.	AVR1:*
R541	Open	Normal operation.	AVR1:*
R542	Open	Normal operation.	AVR1:*
R543	Open	Normal operation.	AVR1:*
R544	Open	Normal operation.	AVR1:*
R545	Open	Normal operation.	AVR1:*
R546	Open	Normal operation.	AVR1:*
R547	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R548	Open	Normal operation.	AVR1:*
R549	Open	Normal operation.	AVR1:*
R550	Open	Normal operation.	AVR1:*
R551	Open	Normal operation.	AVR1:*
R552	Open	Normal operation.	AVR1:*
R553	Open	Normal operation.	AVR1:*
R554	Open	Normal operation.	AVR1:*
R555	Open	Normal operation.	AVR1:*
R556	Open	Normal operation.	AVR1:*
R557 (Only -24)	Open	Normal operation.	AVR1:*
R558 (Only -24)	Open	Normal operation.	AVR1:*
R559 (Only -24)	Open	Normal operation.	AVR1:*
R560 (Only -24)	Open	Normal operation.	AVR1:*
R561 (Only -24)	Open	Normal operation.	AVR1:*
R562 (Only -24)	Open	Normal operation.	AVR1:*
R563 (Only -24)	Open	Normal operation.	AVR1:*
R564 (Only -24)	Open	Normal operation.	AVR1:*
R565 (Only -24)	Open	Normal operation.	AVR1:*
R566 (Only -24)	Open	Normal operation.	AVR1:*
R567 (Only -24)	Open	Normal operation.	AVR1:*
R568 (Only -24)	Open	Normal operation.	AVR1:*
R569 (Only -24)	Open	Normal operation.	AVR1:*
R570 (Only -24)	Open	Normal operation.	AVR1:*
R571 (Only -24)	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R572 (Only -24)	Open	Normal operation.	AVR1:*
R576	Open	Normal operation.	AVR1:*
R577	Open	Normal operation.	AVR1:*
R580 (Only -24)	Open	Normal operation.	AVR1:*
R581	Open	Normal operation.	AVR1:*
R582	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
R583 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
R584 (Only -48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
R585 (Only -48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
R586 (Only -48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
R587 (Only -48)	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
R588 (Only -48)	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
R590	Open	Normal operation.	AVR1:*
R591	Open	Normal operation.	AVR1:*
R592	Open	Normal operation.	AVR1:*
R593	Open	Normal operation.	AVR1:*
R594	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R595	Open	Normal operation.	AVR1:*
R596	Open	Normal operation.	AVR1:*
R597	Open	Normal operation.	AVR1:*
R598	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	Normal operation.	AVR1:*
R603	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
R604	Open	Normal operation.	AVR1:*
R605	Open	Normal operation.	AVR1:*
R606	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
R607	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
R608	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
R609	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage increased. No hazard.	AVR1:increased
R610	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
R612	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
R701	Open	Normal operation.	AVR1:*
R702	Open	Normal operation.	AVR1:*

## F M E A

Component	Mode	Comment	Output Voltage (V)
R703	Open	Normal operation.	AVR1:*
R704	Open	Normal operation.	AVR1:*
R901	Open	Normal operation.	AVR1:*
R902	Open	Normal operation.	AVR1:*
R903	Open	Normal operation.	AVR1:*
R904	Open	Normal operation.	AVR1:*
R905	Open	Normal operation.	AVR1:*
R906	Open	Normal operation.	AVR1:*
R907	Open	Normal operation.	AVR1:*
R908	Open	Normal operation.	AVR1:*
R909	Open	Normal operation.	AVR1:*
R910	Open	Normal operation.	AVR1:*
R911	Open	Normal operation.	AVR1:*
R912	Open	Normal operation.	AVR1:*
R913	Open	Normal operation.	AVR1:*
R914	Open	Normal operation.	AVR1:*
R915	Open	Normal operation.	AVR1:*
R916	Open	Normal operation.	AVR1:*
R917	Open	Normal operation.	AVR1:*
R918	Open	Normal operation.	AVR1:*
R919	Open	Normal operation.	AVR1:*
R920	Open	Normal operation.	AVR1:*
R921	Open	Normal operation.	AVR1:*
R926	Open	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
R928	Open		Normal operation.	AVR1:*
R930	Open		Normal operation.	AVR1:*
R931	Open		Normal operation.	AVR1:*
R932	Open		Normal operation.	AVR1:*
R933	Open		Normal operation.	AVR1:*
R934	Open		Normal operation.	AVR1:*
SS101	Open	+	Normal operation.	AVR1:*
		-	Normal operation.	AVR1:*
		AC	Normal operation.	AVR1:*
	Short	+-AC	See 43 Page.	
		--AC	See 44 Page.	
SS102	Open	+	Normal operation.	AVR1:*
		-	Normal operation.	AVR1:*
		AC	Normal operation.	AVR1:*
	Short	+-AC	See 44 Page.	
		--AC	See 44 Page.	
SS103	Open	Cathod	F101 opened, No hazard.	AVR1:0
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS501	Open	Cathod	Normal operation.	AVR1:*
		Alternati ve	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS502	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
SS502	Short	C-A	See 44 Page.	
SS503	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS504	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS505 (Only -24)	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS506 (Only -24)	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS507	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
SS508	Open	Cathod	Normal operation.	AVR1:*
		Alternativ	Normal operation.	AVR1:*
	Short	C-A	See 44 Page.	
T201	Open	A	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
		C	No Hazard.	AVR1:0
		D	No Hazard.	AVR1:0
		1	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
T201	Open	3	No Hazard.	AVR1:0
		6, 7	F101 opened, No hazard.	AVR1:0
	Short	A-B	See 44 Page.	
		C-D	See 44 Page.	
T202	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	6-7	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
THSW201	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
TR101	Open	D	R180, R181 opened, No hazard.	AVR1:0
		S	R180, R181 opened, No hazard.	AVR1:0
		G	R180, R181 opened, No hazard.	AVR1:0
	Short	D-S	See 44 Page.	
		S-G	Normal operation.	AVR1:*
		G-D	See 44 Page.	
TR102	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See 44 Page.	
	Short	D-S	See 44 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR102	Short	S-G	R180, R181 opened, No hazard.	AVR1:0
		G-D	See 44 Page.	
TR103	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR105	Open	C	R180, R181 opened, No hazard.	AVR1:0
		E	R180, R181 opened, No hazard.	AVR1:0
		B	R180, R181 opened, No hazard.	AVR1:0
	Short	C-E	F101 opened, TR102 short No hazard.	AVR1:0
		E-B	R180, R181 opened, No hazard.	AVR1:0
		B-C	F101 opened, TR102 short No hazard.	AVR1:0
TR106	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	R180, R181 opened, No hazard.	AVR1:0
		E-B	R180, R181 opened, No hazard.	AVR1:0
		B-C	R180, R181 opened, No hazard.	AVR1:0
TR107	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	R180, R181 opened, No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR107	Short	E-B	R180, R181 opened, No hazard.	AVR1:0
		B-C	R180, R181 opened, No hazard.	AVR1:0
TR170	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR180	Open	D	R180, R181 opened, No hazard.	AVR1:0
		S	R180, R181 opened, No hazard.	AVR1:0
		G	R180, R181 opened, No hazard.	AVR1:0
	Short	D-S	Normal operation.	AVR1:*
		S-G	R180, R181 opened, No hazard.	AVR1:0
		G-D	See 44 Page.	
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	See 44 Page.	
	Short	D-S	See 44 Page.	
		S-G	No Hazard.	AVR1:0
		G-D	See 44 Page.	
TR202	Open	D	See 40 Page.	
		S	See 40 Page.	
		G	See 44 Page.	
	Short	D-S	See 45 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Short	S-G	No Hazard.	AVR1:0
		G-D	See 45 Page.	
TR206	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:*
		B-C	No Hazard.	AVR1:0
TR207	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	R208~R208 opened, No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	F101 opened, No hazard.	AVR1:0
TR208	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	F101 opened, No hazard.	AVR1:0
TR210	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR210	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
TR250	Open	C	See 45 Page.	
		E	See 45 Page.	
		B	See 45 Page.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR270	Open	C	See 45 Page.	
		E	See 45 Page.	
		B	See 45 Page.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR501 (Only -48)	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:*
		B-C	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
TRC101	Open	T1	R180, R181 opened, No hazard.	AVR1:0
		T2	R180, R181 opened, No hazard.	AVR1:0
		G	R180, R181 opened, No hazard.	AVR1:0
	Short	T1-T2	Normal operation.	AVR1:*
		T2-G	R180, R181 opened, No hazard.	AVR1:0
VR201	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	AVR1:*
VR601	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
ZD101	Open		See 45 Page.	
	Short		R180, R181 opened, No hazard.	AVR1:0
ZD102	Open		See 45 Page.	
	Short		No Hazard.	AVR1:0
ZD103	Open		Normal operation.	AVR1:*
	Short		R180, R181 opened, No hazard.	AVR1:0
ZD104	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD105	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD170	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD180	Open		No Hazard.	AVR1:*





F M E A

Component	Mode	Comment	Output Voltage (V)
ZD180	Short	R180, R181 opened, No hazard.	AVR1:0
ZD202	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD502	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD601 (Only -48)	Open	No Hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased

## ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
C112	Short	R180, R181 opened, No hazard.	AVR1:0
C114	Short	R180, R181 opened, No hazard.	AVR1:0
C125	Short	R180, R181 opened, No hazard.	AVR1:0
C130	Short	F101, TRC101 opened, No hazard.	AVR1:0
C131	Short	F101, TRC101 opened, No hazard.	AVR1:0
C132	Short	F101, TRC101 opened, No hazard.	AVR1:0
C133	Short	F101, TRC101 opened, No hazard.	AVR1:0
C172	Short	R180, R181 opened, No hazard.	AVR1:0
C180	Short	R180, R181, 182 opened, No hazard.	AVR1:0
C201	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Short	Output voltage decreased. No hazard.	AVR1:decreased
C203	Short	Output voltage decreased. No hazard.	AVR1:decreased
C204	Short	No Hazard.	AVR1:0
C205	Short	No Hazard.	AVR1:0
C214	Short	No Hazard.	AVR1:0
C220	Short	F201 opened, No hazard.	AVR1:0
C221	Short	F201 opened, No hazard.	AVR1:0
C704	Short	Output voltage decreased. No hazard.	AVR1:decreased
C705	Short	Output voltage decreased. No hazard.	AVR1:decreased
C706	Short	Output voltage decreased. No hazard.	AVR1:decreased
C708	Short	Output voltage decreased. No hazard.	AVR1:decreased
D103	Open	Normal operation.	AVR1:*
D104	Open	Normal operation.	AVR1:*
D110	Short	No Hazard.	AVR1:0

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
D201	Short		Output voltage decreased. No hazard.	AVR1:decreased
D202	Short		Output voltage decreased. No hazard.	AVR1:decreased
D252	Short		F101 opened, No hazard.	AVR1:0
D253	Short		F101 opened, No hazard.	AVR1:0
D272	Short		F101 opened, No hazard.	AVR1:0
D273	Short		F101 opened, No hazard.	AVR1:0
FAN701	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
FAN702	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
L103	Open	12	F101 opened, No hazard.	AVR1:0
		14	No Hazard.	AVR1:*
L104	Open		Normal operation.	AVR1:*
L517	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
R122	Open		Normal operation.	AVR1:*
R242	Open		Output voltage decreased. No hazard.	AVR1:decreased
R243	Open		Output voltage decreased. No hazard.	AVR1:decreased
R250	Open		TR201 short No hazard.	AVR1:0
R253	Open		TR201 short No hazard.	AVR1:0
R254	Open		TR201 short No hazard.	AVR1:0
R270	Open		TR202 short No hazard.	AVR1:0
R273	Open		TR202 short No hazard.	AVR1:0
R274	Open		TR202 short No hazard.	AVR1:0
SS101	Short	+AC	F101 opened, No hazard.	AVR1:0

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
SS101	Short	--AC	F101 opened, No hazard.	AVR1:0
SS102	Short	+AC	F101 opened, No hazard.	AVR1:0
		--AC	F101 opened, No hazard.	AVR1:0
SS103	Short	C-A	F101 opened No hazard.	AVR1:0
SS501	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS502	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS503	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS504	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS505	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS506	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS507	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
SS508	Short	C-A	Output voltage decreased. No hazard.	AVR1:decreased
T201	short	A-B	Output voltage decreased. No hazard.	AVR1:decreased
		C-D	Output voltage decreased. No hazard.	AVR1:decreased
TR101	Short	D-S	R120 opened, IC101 short No hazard.	AVR1:0
		G-D	R120 opened, IC101 short No hazard.	AVR1:0
TR102	Open	G	F101 opened, TR102 short No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, TR102 short No hazard.	AVR1:0
TR180	Short	G-D	Normal operation.	AVR1:*
TR201	Open	G	TR201 short No hazard.	AVR1:0
	Short	D-S	Output voltage increased. No hazard. 52 short No hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR202	Open	G	TR202 short No hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR202	Short	D-S	Output voltage increased. No hazard. 72 short No hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR250	Open	C	TR201 short No hazard.	AVR1:0
		E	TR201 short No hazard.	AVR1:0
		B	TR201 short No hazard.	AVR1:0
TR270	Open	C	TR202 short No hazard.	AVR1:0
		E	TR202 short No hazard.	AVR1:0
		B	TR202 short No hazard.	AVR1:0
ZD101	Open		R180, R181 opened, No hazard.	AVR1:0
ZD102	Open		R180, R181 opened, No hazard.	AVR1:0