

ABNORMAL TEST RESULT

OF MODEL CBS35024

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 : 2/27 ~ 25/27)

(Abnormal Test Result: 26/27 ~ 27/27)

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)
C11	Open	Normal operation.	
	Short	See 26 Page.	
C12	Open	Normal operation.	
	Short	See 26 Page.	
C13	Open	Normal operation.	
	Short	See 26 Page.	
C14	Open	Normal operation.	
	Short	See 26 Page.	
C15	Open	Normal operation.	
	Short	See 26 Page.	
C16	Open	Normal operation.	
	Short	See 26 Page.	
C17	Open	Normal operation.	
	Short	See 26 Page.	
C18	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C19	Open	Normal operation.	
	Short	Normal operation.	
C20	Open	Normal operation.	
	Short	Normal operation.	
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C23	Open	Normal operation.	
	Short	Normal operation.	
C51	Open	Normal operation.	
	Short	Normal operation.	
C52	Open	Normal operation.	
	Short	Normal operation.	
C53	Open	Normal operation.	
	Short	Normal operation.	
C54	Open	Normal operation.	
	Short	Normal operation.	
C56	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C57	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C58	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C59	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C102	Open	Normal operation.	
	Short	Normal operation.	
C103	Open	No Hazard.	AVR1:0[V]
	Short	Normal operation.	
C104	Open	No Hazard.	AVR1:0[V]
	Short	No Hazard.	AVR1:0[V]

F M E A

Component	Mode	Comment	Output Voltage (V)
C105	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C106	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C107	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C108	Open	Normal operation.	
	Short	Normal operation.	
C109	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C110	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C112	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C113	Open	Normal operation.	
	Short	Normal operation.	
C114	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C115	Open	Normal operation.	
	Short	Normal operation.	
C116	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]

F M E A

Component	Mode	Comment	Output Voltage (V)
C117	Open	Normal operation.	
	Short	Normal operation.	
C118	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0[V]
C119	Open	Normal operation.	
	Short	Normal operation.	
C120	Open	Normal operation.	
	Short	Normal operation.	
C121	Open	Normal operation.	
	Short	Normal operation.	
C122	Open	Normal operation.	
	Short	Normal operation.	
C123	Open	Normal operation.	
	Short	Normal operation.	
C124	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C125	Open	Normal operation.	
	Short	See 26 Page.	
C126	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C127	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C128	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C501	Open	Normal operation.	
	Short	Normal operation.	
C502	Open	Normal operation.	
	Short	Normal operation.	
C503	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505	Open	Normal operation.	
	Short	Normal operation.	
C506	Open	Normal operation.	
	Short	Normal operation.	
C507	Open	Normal operation.	
	Short	Normal operation.	
C508	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C509	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C510	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C511	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C512	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]

F M E A

Component	Mode	Comment	Output Voltage (V)
C513	Open	Normal operation.	
	Short	Normal operation.	
C514	Open	Normal operation.	
	Short	Normal operation.	
C515	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C516	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C517	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C519	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C521	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C522	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
C524	Open	Normal operation.	
	Short	Normal operation.	
C525	Open	Normal operation.	
	Short	Normal operation.	
C526	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C527	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
D101	Open	Normal operation.	
	Short	Normal operation.	
D102	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
D103	Open	No Hazard.	AVR1:0[V]
	Short	No Hazard.	AVR1:0[V]
D104	Open	No Hazard.	AVR1:0[V]
	Short	Normal operation.	
D105	Open	Normal operation.	
	Short	Normal operation.	
D106	Open	Normal operation.	
	Short	Normal operation.	
D108	Open	Normal operation.	
	Short	Normal operation.	
D109	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D110	Open	Normal operation.	
	Short	Normal operation.	
D111	Open	Normal operation.	
	Short	Normal operation.	
D112	Open	Normal operation.	
	Short	Normal operation.	
D113	Open	No Hazard.	AVR1:0[V]
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
D114	Open		Normal operation.	
	Short		Normal operation.	
D115	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V]
D116	Open		Normal operation.	
	Short		Normal operation.	
D501	Open		Normal operation.	
	Short		Normal operation.	
D502	Open		Normal operation.	
	Short		Normal operation.	
D503	Open		Normal operation.	
	Short		Normal operation.	
D504	Open		Normal operation.	
	Short		Normal operation.	
D506	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V]
IC101	Open	1	No Hazard.	AVR1:0[V]
		2	No Hazard.	AVR1:0[V]
		3	External Fuse opened, No hazard.	AVR1:0[V]
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	No Hazard.	AVR1:0[V]
		8	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Open	9	Normal operation.	
		10	No Hazard.	AVR1:0[V]
		11	No Hazard.	AVR1:0[V]
		12	Output voltage decreased. No hazard.	AVR1:decreased
		13	Output voltage decreased. No hazard.	AVR1:decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	Output voltage decreased. No hazard.	AVR1:decreased
		18	No Hazard.	AVR1:0[V]
		19	No Hazard.	AVR1:0[V]
		20	No Hazard.	AVR1:0[V]
	Short	1-2	No Hazard.	AVR1:0[V]
		2-3	No Hazard.	AVR1:0[V]
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No Hazard.	AVR1:0[V]
		11-12	No Hazard.	AVR1:0[V]
		12-13	No Hazard.	AVR1:0[V]
		13-14	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Short	14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
		19-20	No Hazard.	AVR1:0[V]
IC501	Open	K	No Hazard.	AVR1:0[V]
		A	No Hazard.	AVR1:0[V]
		R	No Hazard.	AVR1:0[V]
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		K-R	Normal operation.	
		R-A	Output voltage decreased. No hazard.	AVR1:decreased
IC502	Open	K	Normal operation.	
		A	Normal operation.	
		R	Normal operation.	
	Short	A-K	No Hazard.	AVR1:0[V]
		K-R	No Hazard.	AVR1:0[V]
		R-A	Normal operation.	
IC503	Open	1	No Hazard.	AVR1:0[V]
		2	No Hazard.	AVR1:0[V]
		3	No Hazard.	AVR1:0[V]
		4	No Hazard.	AVR1:0[V]
		5	No Hazard.	AVR1:0[V]
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
IC503	Short	2-3	No Hazard.	AVR1:0[V]
		4-5	Normal operation.	
L11	Open		No Hazard.	AVR1:0[V]
	Short		Normal operation.	
L51	Open		No Hazard.	AVR1:0[V]
	Short		Output voltage decreased. No hazard.	AVR1:decreased
PC101	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0[V]
PC102	Open	A, K	No Hazard.	AVR1:0[V]
		C	No Hazard.	AVR1:0[V]
		E	No Hazard.	AVR1:0[V]
		VCC	No Hazard.	AVR1:0[V]
	Short	A-K	No Hazard.	AVR1:0[V]
		C-E	No Hazard.	AVR1:0[V]
		C-VCC	No Hazard.	AVR1:0[V]
R11	open		Normal operation.	
R12	open		External Fuse opened, No hazard.	AVR1:0[V]
R13	open		Normal operation.	
R14	open		Normal operation.	
R15	open		External Fuse opened, No hazard.	AVR1:0[V]
R16	open		Normal operation.	
R17	open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R18	open	Normal operation.	
R51	open	Normal operation.	
R52	open	Normal operation.	
R53	open	Normal operation.	
R57	open	Normal operation.	
R58	open	Normal operation.	
R59	open	Normal operation.	
R101	open	Normal operation.	
R102	open	Normal operation.	
R104	open	Normal operation.	
R105	open	Normal operation.	
R106	open	Normal operation.	
R107	open	Normal operation.	
R108	open	Normal operation.	
R109	open	Normal operation.	
R110	open	Normal operation.	
R111	open	Normal operation.	
R112	open	Normal operation.	
R113	open	Normal operation.	
R114	open	Normal operation.	
R115	open	No Hazard.	AVR1:0[V]
R116	open	Normal operation.	
R117	open	No Hazard.	AVR1:0[V]
R118	open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R119	open	No Hazard.	AVR1:0[V]
R120	open	Normal operation.	
R121	open	Normal operation.	
R122	open	Normal operation.	
R123	open	Normal operation.	
R124	open	No Hazard.	AVR1:0[V]
R125	open	No Hazard.	AVR1:0[V]
R126	open	Normal operation.	
R127	open	Normal operation.	
R128	open	Normal operation.	
R129	open	Output voltage decreased. No hazard.	AVR1:decreased
R130	open	Normal operation.	
R131	open	Normal operation.	
R132	open	No Hazard.	AVR1:0[V]
R133	open	Normal operation.	
R134	open	Normal operation.	
R135	open	Normal operation.	
R136	open	Normal operation.	
R137	open	No Hazard.	AVR1:0[V]
R138	open	Normal operation.	
R139	open	Normal operation.	
R140	open	Normal operation.	
R141	open	Normal operation.	
R142	open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R143	open	Normal operation.	
R144	open	Normal operation.	
R145	open	No Hazard.	AVR1:0[V]
R146	open	Normal operation.	
R147	open	Output voltage decreased. No hazard.	AVR1:decreased
R148	open	Normal operation.	
R149	open	Normal operation.	
R150	open	Normal operation.	
R151	open	No Hazard.	AVR1:0[V]
R152	open	Output voltage decreased. No hazard.	AVR1:decreased
R153	open	Normal operation.	
R154	open	Output voltage decreased. No hazard.	AVR1:decreased
R155	open	No Hazard.	AVR1:0[V]
R156	open	Output voltage decreased. No hazard.	AVR1:decreased
R157	open	Normal operation.	
R158	open	Output voltage decreased. No hazard.	AVR1:decreased
R159	open	No Hazard.	AVR1:0[V]
R161	open	No Hazard.	AVR1:0[V]
R163	open	Normal operation.	
R164	open	No Hazard.	AVR1:0[V]
R165	open	No Hazard.	AVR1:0[V]
R166	open	Output voltage decreased. No hazard.	AVR1:decreased
R167	open	Normal operation.	
R168	open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R501	open	Normal operation.	
R502	open	No Hazard.	AVR1:0[V]
R503	open	No Hazard.	AVR1:0[V]
R505	open	Normal operation.	
R506	open	No Hazard.	AVR1:0[V]
R507	open	No Hazard.	AVR1:0[V]
R508	open	No Hazard.	AVR1:0[V]
R509	open	Output voltage decreased. No hazard.	AVR1:decreased
R510	open	Output voltage decreased. No hazard.	AVR1:decreased
R511	open	Normal operation.	
R512	open	No Hazard.	AVR1:0[V]
R513	open	Normal operation.	
R514	open	Normal operation.	
R515	open	Normal operation.	
R516	open	Normal operation.	
R517	open	No Hazard.	AVR1:0[V]
R518	open	Normal operation.	
R519	open	Normal operation.	
R520	open	Normal operation.	
R521	open	No Hazard.	AVR1:0[V]
R522	open	Output voltage decreased. No hazard.	AVR1:decreased
R523	open	No Hazard.	AVR1:0[V]
R524	open	Normal operation.	
R525	open	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
R526	open		No Hazard.	AVR1:0[V]
R527	open		Normal operation.	
R528	open		Normal operation.	
R529	open		Normal operation.	
R530	open		Normal operation.	
R531	open		Normal operation.	
R532	open		Normal operation.	
R533	open		No Hazard.	AVR1:0[V]
R534	open		Normal operation.	
R535	open		No Hazard.	AVR1:0[V]
R536	open		Normal operation.	
R537	open		Normal operation.	
R538	open		No Hazard.	AVR1:0[V]
R539	open		Normal operation.	
R540	open		No Hazard.	AVR1:0[V]
SS51	Open	A1	Normal operation.	
		A2	Normal operation.	
		K	Normal operation.	
	Short	A1-A2	Normal operation.	
		A1-K	Output voltage decreased. No hazard.	AVR1:decreased
		A2-K	Output voltage decreased. No hazard.	AVR1:decreased
SS52	Open	A1	Normal operation.	
		A2	Normal operation.	
		K	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
SS52	Short	A1-A2	Normal operation.	
		A1-K	No Hazard.	AVR1:0[V]
		A2-K	No Hazard.	AVR1:0[V]
SS53	Open	A1	Normal operation.	
		A2	Normal operation.	
		K	Normal operation.	
	Short	A1-A2	No Hazard.	AVR1:0[V]
		A1-K	No Hazard.	AVR1:0[V]
		A2-K	Output voltage decreased. No hazard.	AVR1:decreased
T11	Open	1, 2	No Hazard.	AVR1:0[V]
		3, 4	No Hazard.	AVR1:0[V]
	Short	1-2	See 26 Page.	
		3-4	See 26 Page.	
T12	Open	7, 8	See 26 Page.	
		1, 3	Normal operation.	
	Short	7-8	Normal operation.	
		1-3	Normal operation.	
T101	Open	1, 2	No Hazard.	AVR1:0[V]
		3, 4	Normal operation.	
		5, 6	No Hazard.	AVR1:0[V]
		7, 8	No Hazard.	AVR1:0[V]
	Short	1-2	No Hazard.	AVR1:0[V]
		2-3	No Hazard.	AVR1:0[V]
		3-4	No Hazard.	AVR1:0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
T101	Short	4-5	No Hazard.	AVR1:0[V]
		5-6	No Hazard.	AVR1:0[V]
		6-7	No Hazard.	AVR1:0[V]
		7-8	No Hazard.	AVR1:0[V]
TH11	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V]
TR11	Open	D	See 26 Page.	
		S	See 26 Page.	
		G	See 26 Page.	
	Short	D-S	See 26 Page.	
		S-G	See 26 Page.	
		G-D	See 26 Page.	
TR12	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]
TR13	Open	C	Normal operation.	
		E	External Fuse opened, No hazard.	AVR1:0[V]
		B	External Fuse opened, No hazard.	AVR1:0[V]
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR14	Open	D	See 26 Page.	
		S	See 26 Page.	
		G	See 26 Page.	
	Short	D-S	See 26 Page.	
		S-G	See 26 Page.	
		G-D	See 26 Page.	
TR101	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]
TR102	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]
TR103	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR104	Open	C	See 26 Page.	
		E	See 27 Page.	
		B	See 27 Page.	
	Short	C-E	See 27 Page.	
		E-B	See 27 Page.	
		B-C	See 27 Page.	
TR105	Open	C	No Hazard.	AVR1:0[V]
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	No Hazard.	AVR1:0[V]
		B-C	No Hazard.	AVR1:0[V]
TR106	Open	C	No Hazard.	AVR1:0[V]
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR107	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR108	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR109	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR110	Open	C	No Hazard.	AVR1:0[V]
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0[V]
		B-C	Normal operation.	
TR112	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR113	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]
TR501	Open	C	No Hazard.	AVR1:0[V]
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	No Hazard.	AVR1:0[V]
		B-C	No Hazard.	AVR1:0[V]
TR502	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR503	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]

F M E A

Component	Mode		Comment	Output Voltage (V)
TR504	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0[V]
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0[V]
ZD11	Open		Normal operation.	
	Short		Normal operation.	
ZD101	Open		Normal operation.	
	Short		Normal operation.	
ZD102	Open		No Hazard.	AVR1:0[V]
	Short		No Hazard.	AVR1:0[V]
ZD103	Open		Normal operation.	
	Short		Normal operation.	
ZD104	Open		Normal operation.	
	Short		No Hazard.	AVR1:0[V]
ZD105	Open		Normal operation.	
	Short		Normal operation.	
ZD106	Open		Normal operation.	
	Short		Normal operation.	
ZD107	Open		No Hazard.	AVR1:0[V]
	Short		Normal operation.	
ZD108	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
ZD109	Open	Normal operation.	
	Short	Normal operation.	
ZD501	Open	No Hazard.	AVR1:0[V]
	Short	No Hazard.	AVR1:0[V]
ZD502	Open	Normal operation.	
	Short	Normal operation.	
ZD504	Open	Normal operation.	
	Short	Normal operation.	
ZD505	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
ZD506	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]
ZD507	Open	Normal operation.	
	Short	Normal operation.	
ZD508	Open	Normal operation.	
	Short	No Hazard.	AVR1:0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C11	Short		External Fuse opened, No hazard.	AVR1:0[V]
C12	Short		External Fuse opened, No hazard.	AVR1:0[V]
C13	Short		External Fuse opened, No hazard.	AVR1:0[V]
C14	Short		External Fuse opened, No hazard.	AVR1:0[V]
C15	Short		External Fuse opened, No hazard.	AVR1:0[V]
C16	Short		External Fuse opened, No hazard.	AVR1:0[V]
C17	Short		External Fuse opened, No hazard.	AVR1:0[V]
C125	Short		No Hazard.	AVR1:0[V]
T11	Short	1-2	No Hazard.	AVR1:0[V]
		3-4	No Hazard.	AVR1:0[V]
T12	Open	7, 8	ZD104, ZD102, D113 and TR105 shorted, No Hazard.	AVR1:0[V]
TR11	Open	D	External Fuse opened, No hazard.	AVR1:0[V]
		S	External Fuse opened, No hazard.	AVR1:0[V]
		G	External Fuse opened, No hazard.	AVR1:0[V]
	Short	D-S	External Fuse opened, No hazard.	AVR1:0[V]
		S-G	No Hazard.	AVR1:decreased
		G-D	External Fuse opened, No hazard.	AVR1:0[V]
TR14	Open	D	External Fuse opened, No hazard.	AVR1:0[V]
		S	External Fuse opened, No hazard.	AVR1:0[V]
		G	External Fuse opened, No hazard.	AVR1:0[V]
	Short	D-S	External Fuse opened, No hazard.	AVR1:0[V]
		S-G	No Hazard.	AVR1:decreased
		G-D	External Fuse opened, No hazard.	AVR1:0[V]
TR104	Open	C	No Hazard.	AVR1:0[V]

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR104	Open	E	No Hazard.	AVR1:0[V]
		B	No Hazard.	AVR1:0[V]
	Short	C-E	R115 opened, No Hazard.	AVR1:0[V]
		E-B	No Hazard.	AVR1:0[V]
		B-C	R115 opened, No Hazard.	AVR1:0[V]