

ABNORMAL TEST RESULT

OF MODEL TUNS100F

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 : 2/30 ~ 29/30)

(Abnormal Test Result: 30/30 ~ 30/30)

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	External fuse opened. No hazard.	AVR1:0
C12	Open	Normal operation.	
	Short	External fuse opened. No hazard.	AVR1:0
C51	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C54	Open	Normal operation.	
	Short	Normal operation.	
C55	Open	Normal operation.	
	Short	Normal operation.	
C61	Open	Normal operation.	
	Short	Normal operation.	
C62	Open	Normal operation.	
	Short	Normal operation.	
C71	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C72	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C73	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C74	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C75	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
C76	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C77	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C101	Open	Normal operation.	
	Short	Normal operation.	
C102	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C103	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C111	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	
	Short	Normal operation.	
C113	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C114	Open	Normal operation.	
	Short	Normal operation.	
C116	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C121	Open	Normal operation.	
	Short	See 30 Page.	
C122	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C123	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C124	Open	Normal operation.	
	Short	Normal operation.	
C141	Open	Normal operation.	
	Short	Normal operation.	
C142	Open	Normal operation.	
	Short	Normal operation.	
C143	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C144	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C151	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C161	Open	Normal operation.	
	Short	Normal operation.	
C171	Open	Normal operation.	
	Short	External fuse opened. No hazard.	AVR1:0
C172	Open	Normal operation.	
	Short	External fuse opened. No hazard.	AVR1:0
C201	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
C221	Open	Normal operation.	
	Short	Normal operation.	
C231	Open	Normal operation.	
	Short	Normal operation.	
C232	Open	Normal operation.	
	Short	Normal operation.	
C233	Open	Normal operation.	
	Short	Normal operation.	
C234	Open	Normal operation.	
	Short	See 30 Page.	
C241	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C242	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C243	Open	Normal operation.	
	Short	Normal operation.	
C245	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C251	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C261	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	
C271	Open	See 30 Page.	
	Short	See 30 Page.	

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Component	Mode	Comment	Output Voltage (V)
C272	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C273	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C281	Open	Normal operation.	
	Short	Normal operation.	
C282	Open	Normal operation.	
	Short	Normal operation.	
C501	Open	Normal operation.	
	Short	Normal operation.	
C502	Open	Normal operation.	
	Short	Normal operation.	
C503	Open	Normal operation.	
	Short	Normal operation.	
C504	Open	Normal operation.	
	Short	Normal operation.	
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	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C511	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C513	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C514	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C515	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C521	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C601	Open	Normal operation.	
	Short	Normal operation.	
C611	Open	Normal operation.	
	Short	Normal operation.	
C701	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	See 30 Page.	
C711	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C712	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D11	Open	No Hazard.	AVR1:0
	Short	External fuse opened. No hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
D12	Open	Normal operation.	
	Short	Normal operation.	
D13	Open	Normal operation.	
	Short	Normal operation.	
D21	Open	Normal operation.	
	Short	Normal operation.	
D51	Open	Normal operation.	
	Short	Normal operation.	
D52	Open	Normal operation.	
	Short	Normal operation.	
D53	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D101	Open	Normal operation.	
	Short	Normal operation.	
D111	Open	Normal operation.	
	Short	Normal operation.	
D112	Open	Normal operation.	
	Short	Normal operation.	
D113	Open	Normal operation.	
	Short	Normal operation.	
D121	Open	Normal operation.	
	Short	Normal operation.	
D201	Open	Normal operation.	
	Short	See 30 Page.	

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Component	Mode	Comment	Output Voltage (V)
D202	Open	Normal operation.	
	Short	Normal operation.	
D221	Open	Normal operation.	
	Short	Normal operation.	
D231	Open	Normal operation.	
	Short	Normal operation.	
D232	Open	Normal operation.	
	Short	Normal operation.	
D241	Open	Normal operation.	
	Short	Normal operation.	
D242	Open	Normal operation.	
	Short	Normal operation.	
D251	Open	Normal operation.	
	Short	Normal operation.	
D261	Open	Normal operation.	
	Short	Normal operation.	
D271	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D281	Open	Normal operation.	
	Short	Normal operation.	
D501	Open	Normal operation.	
	Short	Normal operation.	
D502	Open	Normal operation.	
	Short	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
D711	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
D712	Open		Normal operation.	
	Short		Normal operation.	
D713	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
IC101	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	See 30 Page.	
		2-3	See 30 Page.	
		3-4	See 30 Page.	
		5-6	See 30 Page.	
		6-7	See 30 Page.	
		7-8	See 30 Page.	
IC102	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC102	Open	5	Normal operation.	
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	Normal operation.	
		4-5	No Hazard.	AVR1:0
		5-6	External fuse opened. No hazard.	AVR1:0
		6-7	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC201	Short	7-8	No Hazard.	AVR1:0
IC501	Open	K	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
	Short	K-R	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No Hazard.	AVR1:0
		A-K	No Hazard.	AVR1:0
IC601	Open	1	Normal operation.	
		2	Normal operation.	
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	Normal operation.	
		3-4	No Hazard.	AVR1:0
L11	Open		No Hazard.	AVR1:0
	Short		External fuse opened. No hazard.	AVR1:0
L51	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
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

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Component	Mode		Comment	Output Voltage (V)
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
PTH21	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
SS11	Open		No Hazard.	AVR1:0
	Short		External fuse opened. No hazard.	AVR1:0
T11	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	Normal operation.	
		4	No Hazard.	AVR1:0
		5	Output voltage decreased. No hazard.	
		6	Output voltage decreased. No hazard.	
		7	Output voltage decreased. No hazard.	
		8	Output voltage decreased. No hazard.	
	Short	1-4	See 30 Page.	
		2-3	Output voltage decreased. No hazard.	
		5-6	Output voltage decreased. No hazard.	
		7-8	Output voltage decreased. No hazard.	
T201	Open	1	Output voltage decreased. No hazard.	
		2	Output voltage decreased. No hazard.	
		5	See 30 Page.	
		6	See 30 Page.	

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Component	Mode		Comment	Output Voltage (V)
T201	Short	1-2	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR11	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	External fuse opened. No hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	External fuse opened. No hazard.	AVR1:0
TR12	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR21	Open	D	No Hazard.	
		S	No Hazard.	
		G	No Hazard.	
	Short	D-S	See 30 Page.	
		S-G	See 30 Page.	
		G-D	See 30 Page.	
TR51	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	Output voltage decreased. No hazard.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR51	Short	S-G	Output voltage decreased. No hazard.	
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR61	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	Output voltage decreased. No hazard.	
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Output voltage decreased. No hazard.	
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR101	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR102	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR104	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR104	Short	E-B	Normal operation.	
		B-C	Normal operation.	
TR111-1	Open	C(6)	No Hazard.	AVR1:0
		E(1)	No Hazard.	AVR1:0
		B(2)	No Hazard.	AVR1:0
	Short	C(6)-E(1)	Normal operation.	
		E(1)-B(2)	No Hazard.	AVR1:0
		B(2)-C(6)	No Hazard.	AVR1:0
TR111-2	Open	C(3)	No Hazard.	AVR1:0
		E(4)	No Hazard.	AVR1:0
		B(5)	No Hazard.	AVR1:0
	Short	C(3)-E(4)	No Hazard.	AVR1:0
		E(4)-B(5)	No Hazard.	AVR1:0
		B(5)-C(3)	No Hazard.	AVR1:0
TR112-1	Open	C(6)	No Hazard.	AVR1:0
		E(1)	No Hazard.	AVR1:0
		B(2)	No Hazard.	AVR1:0
	Short	C(6)-E(1)	No Hazard.	AVR1:0
		E(1)-B(2)	No Hazard.	AVR1:0
		B(2)-C(6)	Normal operation.	
TR112-2	Open	C(3)	No Hazard.	AVR1:0
		E(4)	No Hazard.	AVR1:0
		B(5)	No Hazard.	AVR1:0
	Short	C(3)-E(4)	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR112-2	Short	E(4)-B(5)	No Hazard.	AVR1:0
		B(5)-C(3)	Normal operation.	
TR131	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	
TR132	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR133	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR141	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR141	Short	S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR151	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	External fuse opened. No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	External fuse opened. No hazard.	AVR1:0
TR152	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	External fuse opened. No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	External fuse opened. No hazard.	AVR1:0
TR201	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR231	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR231	Short	E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR232	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR233	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR241	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	
		G-D	No Hazard.	AVR1:0
TR242	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR242	Short	S-G	Normal operation.	
		G-D	Normal operation.	
TR251	Open	C	Normal operation.	
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	External fuse opened. No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	External fuse opened. No hazard.	AVR1:0
TR252	Open	C	Normal operation.	
		E	External fuse opened. No hazard.	AVR1:0
		B	External fuse opened. No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR261	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR262	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR262	Short	E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR271	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	No Hazard.	
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	No Hazard.	
TR281	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR601	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR701	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR701	Short	S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR702	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Normal operation.	
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	Normal operation.	
TR711	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		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
TR712	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		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
VR201	Open	brush	Normal operation.	
			No Hazard.	AVR1:0
	Short		Normal operation.	
ZD101	Open		Normal operation.	

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Component	Mode	Comment	Output Voltage (V)
ZD101	Short	Normal operation.	
ZD102	Open	Normal operation.	
	Short	Normal operation.	
ZD121	Open	See 30 Page.	
	Short	See 30 Page.	
ZD161	Open	Normal operation.	
	Short	Normal operation.	
ZD201	Open	Normal operation.	
	Short	Normal operation.	
ZD202	Open	Normal operation.	
	Short	Normal operation.	
R12	Open	Normal operation.	
R13	Open	No Hazard.	AVR1:0
R14	Open	Normal operation.	
R21	Open	Output voltage decreased. No hazard.	AVR1:decreased
R22	Open	No Hazard.	AVR1:0
R51	Open	Normal operation.	
R52	Open	Normal operation.	
R53	Open	Normal operation.	
R54	Open	Normal operation.	
R55	Open	Normal operation.	
R56	Open	Normal operation.	
R57	Open	Normal operation.	
R58	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R61	Open	Normal operation.	
R64	Open	Normal operation.	
R65	Open	Normal operation.	
R66	Open	Normal operation.	
R67	Open	Normal operation.	
R68	Open	Normal operation.	
R69	Open	Normal operation.	
R81	Open	Output voltage decreased. No hazard.	AVR1:decreased
R82	Open	Normal operation.	
R101	Open	Normal operation.	
R102	Open	Normal operation.	
R103	Open	Normal operation.	
R104	Open	Normal operation.	
R105	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	No Hazard.	AVR1:0
R111	Open	No Hazard.	AVR1:0
R112	Open	No Hazard.	AVR1:0
R113	Open	Normal operation.	
R114	Open	Normal operation.	
R115	Open	Normal operation.	
R116	Open	No Hazard.	AVR1:0
R117	Open	Normal operation.	
R118	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R121	Open	Normal operation.	
R122	Open	No Hazard.	AVR1:0
R123	Open	Normal operation.	
R124	Open	See 30 Page.	
R125	Open	Normal operation.	
R126	Open	Normal operation.	
R127	Open	No Hazard.	AVR1:0
R131	Open	Normal operation.	
R141	Open	No Hazard.	AVR1:0
R143	Open	Normal operation.	
R144	Open	Normal operation.	
R151	Open	Normal operation.	
R152	Open	No Hazard.	AVR1:0
R153	Open	Normal operation.	
R154	Open	Normal operation.	
R155	Open	Normal operation.	
R156	Open	Normal operation.	
R161	Open	No Hazard.	AVR1:0
R162	Open	Normal operation.	
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	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R221	Open	Normal operation.	
R222	Open	Normal operation.	
R231	Open	Normal operation.	
R232	Open	No Hazard.	AVR1:0
R233	Open	Normal operation.	
R234	Open	Normal operation.	
R235	Open	No Hazard.	AVR1:0
R236	Open	Normal operation.	
R241	Open	Normal operation.	
R242	Open	Normal operation.	
R243	Open	Output voltage decreased. No hazard.	AVR1:decreased
R245	Open	Normal operation.	
R246	Open	Normal operation.	
R247	Open	No Hazard.	AVR1:0
R251	Open	Normal operation.	
R252	Open	No Hazard.	AVR1:0
R253	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R254	Open	Normal operation.	
R255	Open	Normal operation.	
R256	Open	Normal operation.	
R257	Open	Normal operation.	
R258	Open	Normal operation.	
R261	Open	Output voltage decreased. No hazard.	AVR1:decreased
R262	Open	Normal operation.	
R263	Open	Output voltage decreased. No hazard.	AVR1:decreased
R264	Open	Output voltage decreased. No hazard.	AVR1:decreased
R271	Open	Normal operation.	
R272	Open	Output voltage decreased. No hazard.	AVR1:decreased
R281	Open	Normal operation.	
R282	Open	Normal operation.	
R283	Open	Normal operation.	
R284	Open	Normal operation.	
R301	Open	Normal operation.	
R302	Open	Normal operation.	
R303	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	No Hazard.	AVR1:0
R511	Open	No Hazard.	AVR1:0
R512	Open	No Hazard.	AVR1:0
R513	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R514	Open	Normal operation.	
R515	Open	Output voltage decreased. No hazard.	AVR1:decreased
R516	Open	Normal operation.	
R517	Open	Normal operation.	
R518	Open	No Hazard.	AVR1:0
R519	Open	Output voltage decreased. No hazard.	AVR1:decreased
R521	Open	No Hazard.	AVR1:0
R522	Open	No Hazard.	AVR1:0
R523	Open	No Hazard.	AVR1:0
R524	Open	Output voltage decreased. No hazard.	AVR1:decreased
R525	Open	Normal operation.	
R526	Open	Normal operation.	
R601	Open	Normal operation.	
R602	Open	Normal operation.	
R603	Open	Normal operation.	
R606	Open	No Hazard.	AVR1:0
R607	Open	Normal operation.	
R611	Open	Normal operation.	
R612	Open	Normal operation.	
R613	Open	Normal operation.	
R614	Open	No Hazard.	AVR1:0
R701	Open	Output voltage decreased. No hazard.	AVR1:decreased
R702	Open	Output voltage decreased. No hazard.	AVR1:decreased
R703	Open	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode	Comment	Output Voltage (V)
R704	Open	Output voltage decreased. No hazard.	AVR1:decreased
R705	Open	Normal operation.	
R706	Open	Normal operation.	
R707	Open	Output voltage decreased. No hazard.	AVR1:decreased
R711	Open	Normal operation.	
R712	Open	Normal operation.	
R713	Open	Normal operation.	
R714	Open	Normal operation.	
R715	Open	Output voltage decreased. No hazard.	AVR1:decreased
R716	Open	Normal operation.	
R717	Open	Normal operation.	
R718	Open	Output voltage decreased. No hazard.	AVR1:decreased
R719	Open	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C121	Short		Normal operation.	
C234	Short		Normal operation.	
C271	Open		Normal operation.	
	Short		Normal operation.	
C701	Short		Normal operation.	
D201	Short		Normal operation.	
IC101	Short	1-2	Normal operation.	
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	Normal operation.	
		6-7	No Hazard.	AVR1:0
		7-8	External fuse opened. No hazard.	AVR1:0
T11	Short	1-4	External fuse opened. No hazard.	AVR1:0
T201	Open	5	Normal operation.	
		6	Normal operation.	
TR12	Short	D-S	External fuse opened. No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	External fuse opened. No hazard.	AVR1:0
TR21	Short	D-S	External fuse opened. No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	External fuse opened. No hazard.	AVR1:0
ZD121	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
R124	Open		Normal operation.	