

ABNORMAL TEST RESULT

OF MODEL SFLS3048

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 : 2/29 ~ 24/29)

(Abnormal Test Result: 25/29 ~ 29/29)

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.	
	Short	External Fuse opened, No hazard.	AVR1:0
C102	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	AVR1:0
C103	Open	Normal operation.	
	Short	External Fuse opened or L101 opened, No hazard.	AVR1:0
C104	Open	Normal operation.	
	Short	External Fuse opened, L101 or L102 opened, No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	External Fuse opened, L101 or L102 opened, No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	Normal operation.	
C107	Open	Normal operation.	
	Short	Normal operation.	
C108	Open	Normal operation.	
	Short	Normal operation.	
C111	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C112	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C113	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C151	Open	Normal operation.	
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C152	Open	No Hazard.	AVR1:0
	Short	See 25 Page.	
C201	Open	Normal operation.	
	Short	Normal operation.	
C202	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C221	Open	Normal operation.	
	Short	Normal operation.	
C222	Open	Normal operation.	
	Short	Normal operation.	
C223	Open	Normal operation.	
	Short	Normal operation.	
C224	Open	Normal operation.	
	Short	Normal operation.	
C225	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C226	Open	Normal operation.	
	Short	Normal operation.	
C301	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
C303	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
C311	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C312	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C313	Open		No Hazard.	AVR1:0
	Short		See 25 Page.	
C314	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
C331	Open		See 25 Page.	
	Short		See 25 Page.	
C332	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
C333	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
C341	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C342	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C351	Open	only 1R2, 1R5, 1R8	Normal operation.	
	Short	only 1R2, 1R5, 1R8	Normal operation.	
C352	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C353	Open	only 2R5, 3R3, 05	Normal operation.	
	Short	only 2R5, 3R3, 05	Normal operation.	
C354	Open	only 2R5, 3R3, 05	Normal operation.	
	Short	only 2R5, 3R3, 05	No Hazard.	AVR1:0
C361	Open	except 3R3, 05	Normal operation.	
	Short	except 3R3, 05	Normal operation.	
C381	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
C401	Open		Normal operation.	
	Short		Normal operation.	
C421	Open		Normal operation.	
	Short		Normal operation.	
C501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C502	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C503	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C504	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C505	Open	except 05	Normal operation.	
	Short	except 05	No Hazard.	AVR1:0
C506	Open		Normal operation.	
	Short		No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
C507	Open	except 05	Normal operation.	
	Short	except 05	No Hazard.	AVR1:0
C511	Open	except 05	Normal operation.	
	Short	except 05	No Hazard.	AVR1:0
C551	Open		See 25 Page.	
	Short		See 25 Page.	
C601	Open		See 25 Page.	
	Short		No Hazard.	AVR1:0
D111	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
D201	Open		Normal operation.	
	Short		Normal operation.	
D221	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D301	Open		See 25 Page.	
	Short		See 25 Page.	
D311	Open		Normal operation.	
	Short		See 25 Page.	
D401	Open		Normal operation.	
	Short		Normal operation.	
D402	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D551	Open	only 1R2, 1R5	Normal operation.	
	Short	only 1R2, 1R5	See 25 Page.	

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Component	Mode		Comment	Output Voltage (V)
D601	Open		See 25 Page.	
	Short		See 25 Page.	
D602	Open		Normal operation.	
	Short		Normal operation.	
IC301	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	See 25 Page.	
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC302	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		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	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC302	Short	6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L111	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
SS111	Open	cathode	No Hazard.	AVR1:0
		A(T101-6pin side)	No Hazard.	AVR1:0
		A(R115 side)	No Hazard.	AVR1:0
	Short	A-A	No Hazard.	AVR1:0
		A(T101-6pin side)-K	No Hazard.	AVR1:0
		A(R115 side)-K	No Hazard.	AVR1:0
SS651	Open	cathode	No Hazard.	AVR1:0
		A(T101-13pin side)	No Hazard.	AVR1:0
		A(T101-14pin side)	Normal operation.	
	Short	A-A	No Hazard.	AVR1:0
		A(T101-13pin side)-K	No Hazard.	AVR1:0
		A(T101-14pin side)-K	No Hazard.	AVR1:0
TR101	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See 25 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR101	Short	S-G	See 25 Page.	
		G-D	See 25 Page.	
TR111	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 25 Page.	
		E-B	Normal operation.	
		B-C	See 25 Page.	
TR112	Open	C	See 26 Page.	
		E	See 26 Page.	
		B	See 26 Page.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR113	Open	C(3)	Normal operation.	
		E(4)	Normal operation.	
		B(5)	Normal operation.	
	Short	C(3)-E(4)	No Hazard.	AVR1:0
		E(4)-B(5)	Normal operation.	
		B(5)-C(3)	No Hazard.	AVR1:0
	Open	C(6)	No Hazard.	AVR1:0
		E(1)	No Hazard.	AVR1:0
		B(2)	No Hazard.	AVR1:0
	Short	C(6)-E(1)	See 26 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR113	Short	E(1)-B(2)	No Hazard.	AVR1:0
		B(2)-C(6)	See 26 Page.	
		2-3	Normal operation.	
		5-6	Normal operation.	
TR121	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	See 26 Page.	
		E-B	Normal operation.	
		B-C	See 26 Page.	
TR151	Open	D(3)	No Hazard.	AVR1:0
		S(4)	No Hazard.	AVR1:0
		G(5)	No Hazard.	AVR1:0
		D(6)	See 26 Page.	
		S(1)	See 26 Page.	
		G(2)	See 26 Page.	
	Short	D(3)-S(4)	See 26 Page.	
		S(4)-G(5)	See 26 Page.	
		G(5)-D(3)	See 26 Page.	
		D(6)-S(1)	No Hazard.	AVR1:0
		S(1)-G(2)	See 26 Page.	
		G(2)-D(6)	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		5-6	See 26 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR201	Open	C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	C (3) - E (4)	No Hazard.	AVR1:0
		E (4) - B (5)	Normal operation.	
		B (5) - C (3)	No Hazard.	AVR1:0
	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	
		B (2)	Normal operation.	
	Short	C (6) - E (1)	No Hazard.	AVR1:0
		E (1) - B (2)	Normal operation.	
		B (2) - C (6)	No Hazard.	AVR1:0
		2-3	Normal operation.	
		5-6	Normal operation.	
TR202	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
TR203	Open	C (3)	Normal operation.	
		E (4)	Normal operation.	
		B (5)	Normal operation.	
	Short	C (3) - E (4)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR203	Short	E(4)-B(5)	Normal operation.	
		B(5)-C(3)	Normal operation.	
	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)	Normal operation.	
		2-3	No Hazard.	AVR1:0
		5-6	Normal operation.	
TR222	Open	C(3)	Normal operation.	
		E(4)	Normal operation.	
		B(5)	Normal operation.	
	Short	C(3)-E(4)	No Hazard.	AVR1:0
		E(4)-B(5)	Normal operation.	
		B(5)-C(3)	No Hazard.	AVR1:0
	Open	C(6)	Normal operation.	
		E(1)	Normal operation.	
		B(2)	Normal operation.	
	Short	C(6)-E(1)	No Hazard.	AVR1:0
		E(1)-B(2)	Normal operation.	
		B(2)-C(6)	No Hazard.	AVR1:0
		2-3	Normal operation.	
		5-6	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR311	Open	C (3)	Normal operation.	
		E (4)	No Hazard.	AVR1:0
		B (5)	No Hazard.	AVR1:0
	Short	C (3) - E (4)	Normal operation.	
		E (4) - B (5)	Normal operation.	
		B (5) - C (3)	Normal operation.	
	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)	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		5-6	Normal operation.	
TR312	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
TR331	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

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Component	Mode		Comment	Output Voltage (V)
TR331	Short	E (4) -B (5)	No Hazard.	AVR1:0
		B (5) -C (3)	No Hazard.	AVR1:0
	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)	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR332	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	See 26 Page.	
		B-C	No Hazard.	AVR1:0
TR351	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.	
		E (4) -B (5)	No Hazard.	AVR1:0
		B (5) -C (3)	No Hazard.	AVR1:0
	Open	C (6)	Normal operation.	
		E (1)	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR351	Open	B(2)	Normal operation.	
	Short	C(6)-E(1)	No Hazard.	AVR1:0
		E(1)-B(2)	Normal operation.	
		B(2)-C(6)	No Hazard.	AVR1:0
		2-3	Normal operation.	
		5-6	No Hazard.	AVR1:0
TR352	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	No Hazard.	AVR1:0
TR353	Open	C(3) only 2R5, 3R3, 05	Normal operation.	
		E(4) only 2R5, 3R3, 05	Normal operation.	
		B(5) only 2R5, 3R3, 05	Normal operation.	
	Short	C(3)-E(4) only 2R5, 3R3, 05	No Hazard.	AVR1:0
		E(4)-B(5) only 2R5, 3R3, 05	Normal operation.	
		B(5)-C(3) only 2R5, 3R3, 05	No Hazard.	AVR1:0
	Open	C(6) only 2R5, 3R3, 05	Normal operation.	
		E(1) only 2R5, 3R3, 05	Normal operation.	
		B(2) only 2R5, 3R3, 05	Normal operation.	
	Short	C(6)-E(1) only 2R5, 3R3, 05	No Hazard.	AVR1:0
		E(1)-B(2) only 2R5, 3R3, 05	Normal operation.	
		B(2)-C(6) only 2R5, 3R3, 05	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
TR353	Short	2-3 only 2R5, 3R3, 05	Normal operation.	
		5-6 only 2R5, 3R3, 05	Normal operation.	
TR361	Open	D except 3R3, 05	Output voltage decreased. No hazard.	AVR1:decreased
		S except 3R3, 05	Output voltage decreased. No hazard.	AVR1:decreased
		G except 3R3, 05	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S except 3R3, 05	Output voltage decreased. No hazard.	AVR1:decreased
		S-G except 3R3, 05	No Hazard.	AVR1:0
		G-D except 3R3, 05	No Hazard.	AVR1:0
TR381	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	See 26 Page.	
TR401	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
TR402	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)
TR402	Short	E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR421	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
TR501	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.	
TR502	Open	D except 05	See 26 Page.	
		S except 05	See 27 Page.	
		G except 05	See 27 Page.	
	Short	D-S except 05	See 27 Page.	
		S-G except 05	See 27 Page.	
		G-D except 05	See 27 Page.	
	Open	D only 05	See 27 Page.	
		S only 05	See 27 Page.	
		G only 05	See 27 Page.	
	Short	D-S only 05	See 27 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR502	Short	S-G only 05	See 27 Page.	
		G-D only 05	See 27 Page.	
TR503	Open	D	See 27 Page.	
		S	See 27 Page.	
		G	See 27 Page.	
	Short	D-S	See 27 Page.	
		S-G	See 27 Page.	
		G-D	See 27 Page.	
TR504	Open	D except 05	See 27 Page.	
		S except 05	See 27 Page.	
		G except 05	See 27 Page.	
	Short	D-S except 05	See 27 Page.	
		S-G except 05	See 27 Page.	
		G-D except 05	See 27 Page.	
TR601	Open	D(3)	See 27 Page.	
		S(4)	See 28 Page.	
		G(5)	See 28 Page.	
		D(6)	Normal operation.	
		S(1)	Normal operation.	
		G(2)	See 28 Page.	
	Short	D(3)-S(4)	Normal operation.	
		S(4)-G(5)	See 28 Page.	
		G(5)-D(3)	Normal operation.	
		D(6)-S(1)	See 28 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR601	Short	S(1)-G(2)	Normal operation.	
		G(2)-D(6)	See 28 Page.	
		2-3	Normal operation.	
		5-6	See 28 Page.	
TR602	Open	D(3)	Normal operation.	
		S(4)	Normal operation.	
		G(5)	Normal operation.	
		D(6)	Normal operation.	
		S(1)	Normal operation.	
		G(2)	Normal operation.	
	Short	D(3)-S(4)	See 28 Page.	
		S(4)-G(5)	See 28 Page.	
		G(5)-D(3)	See 28 Page.	
		D(6)-S(1)	See 28 Page.	
		S(1)-G(2)	See 28 Page.	
		G(2)-D(6)	See 28 Page.	
		2-3	See 28 Page.	
		5-6	See 28 Page.	
ZD111	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD112	Open		See 28 Page.	
	Short		No Hazard.	AVR1:0
ZD151	Open		Normal operation.	
	Short		See 28 Page.	

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Component	Mode		Comment	Output Voltage (V)
ZD201	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD221	Open		Normal operation.	
	Short		See 28 Page.	
ZD401	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD601	Open		See 28 Page.	
	Short		See 28 Page.	
ZD602	Open	except 3R3, 05	Normal operation.	
	Short	except 3R3, 05	See 28 Page.	
R101	Open		No Hazard.	AVR1:0
R102	Open		No Hazard.	AVR1:0
R110	Open		Normal operation.	
R111	Open		Normal operation.	
R112	Open		No Hazard.	AVR1:0
R113	Open		No Hazard.	AVR1:0
R114	Open		Normal operation.	
R115	Open		Normal operation.	
R116	Open		Normal operation.	
R117	Open	except 1R5	No Hazard.	AVR1:0
R118	Open	only 1R5	No Hazard.	AVR1:0
R122	Open		Normal operation.	
R123	Open		Normal operation.	
R124	Open		No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R125	Open	No Hazard.	AVR1:0
R126	Open	No Hazard.	AVR1:0
R151	Open	Normal operation.	
R152	Open	No Hazard.	AVR1:0
R153	Open	See 28 Page.	
R154	Open	Normal operation.	
R155	Open	Normal operation.	
R201	Open	No Hazard.	AVR1:0
R202	Open	No Hazard.	AVR1:0
R203	Open	Normal operation.	
R204	Open	No Hazard.	AVR1:0
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	Normal operation.	
R209	Open	No Hazard.	AVR1:0
R210	Open	Normal operation.	
R211	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	Normal operation.	
R214	Open	Normal operation.	
R215	Open	No Hazard.	AVR1:0
R216	Open	No Hazard.	AVR1:0
R221	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R224	Open	No Hazard.	AVR1:0
R225	Open	Normal operation.	
R226	Open	No Hazard.	AVR1:0
R227	Open	Normal operation.	
R301	Open	See 28 Page.	
R302	Open	See 28 Page.	
R303	Open	See 29 Page.	
R304	Open	No Hazard.	AVR1:0
R305	Open	See 29 Page.	
R311	Open	No Hazard.	AVR1:0
R312	Open	No Hazard.	AVR1:0
R313	Open	No Hazard.	AVR1:0
R314	Open	No Hazard.	AVR1:0
R315	Open	No Hazard.	AVR1:0
R316	Open	No Hazard.	AVR1:0
R321	Open	No Hazard.	AVR1:0
R322	Open	No Hazard.	AVR1:0
R323	Open	No Hazard.	AVR1:0
R325	Open	Normal operation.	
R331	Open	Normal operation.	
R332	Open	No Hazard.	AVR1:0
R333	Open	See 29 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R334	Open		No Hazard.	AVR1:0
R341	Open		No Hazard.	AVR1:0
R343	Open		No Hazard.	AVR1:0
R345	Open		Normal operation.	
R351	Open		Normal operation.	
R352	Open		Normal operation.	
R353	Open		Normal operation.	
R354	Open		No Hazard.	AVR1:0
R355	Open		Normal operation.	
R356	Open		No Hazard.	AVR1:0
R357	Open	only 2R5, 3R3, 05	Normal operation.	
R363	Open	except 3R3, 05	No Hazard.	AVR1:0
R381	Open		No Hazard.	AVR1:0
R401	Open		Normal operation.	
R402	Open		Normal operation.	
R403	Open		No Hazard.	AVR1:0
R404	Open		Normal operation.	
R405	Open		Normal operation.	
R406	Open		Normal operation.	
R421	Open		Normal operation.	
R422	Open		Normal operation.	
R424	Open		Normal operation.	
R501	Open		Normal operation.	
R513	Open	except 05	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
R551	Open		Normal operation.	
R552	Open		Normal operation.	
R553	Open		Normal operation.	
R554	Open	except 1R8, 3R3	Normal operation.	
R555	Open	except 1R2, 1R5	Normal operation.	
R556	Open		See 29 Page.	
R601	Open		Normal operation.	
R602	Open		See 29 Page.	
R603	Open		See 29 Page.	
R605	Open		Normal operation.	
R606	Open		Normal operation.	
R607	Open		Normal operation.	
R608	Open		Normal operation.	
R651	Open		See 29 Page.	
R652	Open		See 29 Page.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C152	Short		No Hazard.	AVR1:0
C303	Open		Normal operation.	
C313	Short		No Hazard.	AVR1:0
C314	Open		Normal operation.	
C331	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
C332	Open		Normal operation.	
C333	Open		Normal operation.	
C381	Open		No Hazard.	AVR1:0
C551	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
C601	Open		Output voltage decreased. No hazard.	AVR1:decreased
D301	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D311	Short		No Hazard.	AVR1:0
D551	Short	only 1R2, 1R5	Output voltage decreased. No hazard.	AVR1:decreased
D601	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC301	Short	1-2	No Hazard.	AVR1:0
TR101	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR111	Short	C-E	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR112	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
TR113	Short	C(6)-E(1)	Normal operation.	
		B(2)-C(6)	Normal operation.	
TR121	Short	C-E	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR151	Open	D(6)	No Hazard.	AVR1:0
		S(1)	No Hazard.	AVR1:0
		G(2)	No Hazard.	AVR1:0
	Short	D(3)-S(4)	No Hazard.	AVR1:0
		S(4)-G(5)	No Hazard.	AVR1:0
		G(5)-D(3)	No Hazard.	AVR1:0
		S(1)-G(2)	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR332	Short	E-B	Normal operation.	
TR381	Short	G-D	No Hazard.	AVR1:0
TR501	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	No Hazard.	AVR1:0
TR502	Open	D except 05	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR502	Open	S except 05	Normal operation.	
		G except 05	Normal operation.	
	Short	D-S except 05	No Hazard.	AVR1:0
		S-G except 05	Output voltage decreased. No hazard.	AVR1:decreased
		G-D except 05	No Hazard.	AVR1:0
	Open	D only 05	No Hazard.	AVR1:0
		S only 05	No Hazard.	AVR1:0
		G only 05	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S only 05	No Hazard.	AVR1:0
		S-G only 05	Output voltage decreased. No hazard.	AVR1:decreased
		G-D only 05	No Hazard.	AVR1:0
TR503	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	No Hazard.	AVR1:0
		S-G	Output voltage decreased. No hazard.	AVR1:decreased
		G-D	No Hazard.	AVR1:0
TR504	Open	D except 05	Normal operation.	
		S except 05	Normal operation.	
		G except 05	Normal operation.	
	Short	D-S except 05	No Hazard.	AVR1:0
		S-G except 05	Output voltage decreased. No hazard.	AVR1:decreased
		G-D except 05	No Hazard.	AVR1:0
TR601	Open	D(3)	Output voltage decreased. No hazard.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR601	Open	S (4)	Output voltage decreased. No hazard.	AVR1:decreased
		G (5)	Output voltage decreased. No hazard.	AVR1:decreased
		G (2)	Output voltage decreased. No hazard.	AVR1:decreased
	Short	S (4) - G (5)	No Hazard.	AVR1:0
		D (6) - S (1)	Output voltage decreased. No hazard.	AVR1:decreased
		G (2) - D (6)	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	No Hazard.	AVR1:0
TR602	Short	D (3) - S (4)	Output voltage decreased. No hazard.	AVR1:decreased
		S (4) - G (5)	No Hazard.	AVR1:0
		G (5) - D (3)	Output voltage decreased. No hazard.	AVR1:decreased
		D (6) - S (1)	Output voltage decreased. No hazard.	AVR1:decreased
		S (1) - G (2)	No Hazard.	AVR1:0
		G (2) - D (6)	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	No Hazard.	AVR1:0
		5-6	Output voltage decreased. No hazard.	AVR1:decreased
ZD112	Open		Output voltage decreased. No hazard.	AVR1:decreased
ZD151	Short		No Hazard.	AVR1:0
ZD221	Short		No Hazard.	AVR1:0
ZD601	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
ZD602	Short	except 3R3, 05	Output voltage decreased. No hazard.	AVR1:decreased
R153	Open		No Hazard.	AVR1:0
R301	Open		No Hazard.	AVR1:0
R302	Open		No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
R303	Open	No Hazard.	AVR1:0
R305	Open	No Hazard.	AVR1:0
R333	Open	No Hazard.	AVR1:0
R556	Open	Output voltage decreased. No hazard.	AVR1:decreased
R602	Open	Output voltage decreased. No hazard.	AVR1:decreased
R603	Open	No Hazard.	AVR1:0
R651	Open	Normal operation.	
R652	Open	Output voltage decreased. No hazard.	AVR1:decreased