



ABNORMAL TEST RESULT

OF MODEL FDA50F-24

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 : 2/16 ~ 15/16)
(Abnormal Test Result: 16/16 ~ 16/16)

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 opend. No Hazard.	AVR1:0
C102	Open	Normal operation.	AVR1:**
	Short	F101 opend. No Hazard.	AVR1:0
C103	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C104	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C301	Open	Normal operation.	AVR1:**
	Short	See page 16.	
C302	Open	No Hazard.	AVR1:0
	Short	F101 opend. No Hazard.	AVR1:0
C303	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C304	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C305	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C306	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C307	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C308	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
C311	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C312	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C341	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C342	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C351	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C352	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C353	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C354	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C355	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C356	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C357	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C358	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C381	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C382	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
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C511	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C531	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C602	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C611	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
C612	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D301	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D302	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D303	Open		Normal operation.	AVR1:**
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D304	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D305	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D314	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D315	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D351	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D352	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D381	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
IC301	Open	1	No Hazard.	AVR1:0
		2	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
IC301	Open	3	F101 opend. No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		8	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	F101 opend. No Hazard.	AVR1:0
		5-6	F101 opend. No Hazard.	AVR1:0
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
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 opend. No Hazard.	AVR1:0
		3-4	F101 opend. No Hazard.	AVR1:0
L351	Open		No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L351	Short		Normal operation.	AVR1:**
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:**
PC301	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
PC302	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	No Hazard.	AVR1:0
PTH501	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:**
R301	Open		Output voltage decreased. No hazard.	AVR1:decreased
R302	Open		Output voltage decreased. No hazard.	AVR1:decreased
R304	Open		Normal operation.	AVR1:**



F M E A

Component	Mode	Comment	Output Voltage (V)
R305	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R311	Open	Output voltage decreased. No hazard.	AVR1:decreased
R313	Open	Normal operation.	AVR1:*
R314	Open	Output voltage decreased. No hazard.	AVR1:decreased
R316	Open	Normal operation.	AVR1:*
R317	Open	Normal operation.	AVR1:*
R319	Open	Normal operation.	AVR1:*
R320	Open	No Hazard.	AVR1:0
R321	Open	Normal operation.	AVR1:*
R322	Open	Normal operation.	AVR1:*
R323	Open	Normal operation.	AVR1:*
R324	Open	Normal operation.	AVR1:*
R325	Open	Normal operation.	AVR1:*
R326	Open	Normal operation.	AVR1:*
R327	Open	Normal operation.	AVR1:*
R328	Open	Normal operation.	AVR1:*
R329	Open	Normal operation.	AVR1:*
R330	Open	Normal operation.	AVR1:*
R331	Open	Normal operation.	AVR1:*
R332	Open	Normal operation.	AVR1:*
R333	Open	Normal operation.	AVR1:*
R334	Open	Normal operation.	AVR1:*
R335	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R336	Open	Normal operation.	AVR1:**
R337	Open	Normal operation.	AVR1:**
R338	Open	Normal operation.	AVR1:**
R339	Open	Normal operation.	AVR1:**
R340	Open	Normal operation.	AVR1:**
R341	Open	Normal operation.	AVR1:**
R342	Open	Normal operation.	AVR1:**
R343	Open	Normal operation.	AVR1:**
R344	Open	Normal operation.	AVR1:**
R351	Open	Normal operation.	AVR1:**
R352	Open	Normal operation.	AVR1:**
R353	Open	No Hazard.	AVR1:0
R354	Open	No Hazard.	AVR1:0
R356	Open	No Hazard.	AVR1:0
R357	Open	No Hazard.	AVR1:0
R358	Open	No Hazard.	AVR1:0
R359	Open	No Hazard.	AVR1:0
R360	Open	Normal operation.	AVR1:**
R361	Open	Normal operation.	AVR1:**
R363	Open	Normal operation.	AVR1:**
R366	Open	Normal operation.	AVR1:**
R367	Open	Normal operation.	AVR1:**
R368	Open	Normal operation.	AVR1:**
R369	Open	Normal operation.	AVR1:**



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Component	Mode	Comment	Output Voltage (V)
R370	Open	Normal operation.	AVR1:**
R371	Open	Normal operation.	AVR1:**
R372	Open	Normal operation.	AVR1:**
R373	Open	Normal operation.	AVR1:**
R381	Open	No Hazard.	AVR1:0
R382	Open	No Hazard.	AVR1:0
R383	Open	No Hazard.	AVR1:0
R384	Open	No Hazard.	AVR1:0
R385	Open	No Hazard.	AVR1:0
R386	Open	Normal operation.	AVR1:**
R387	Open	Normal operation.	AVR1:**
R388	Open	Normal operation.	AVR1:**
R389	Open	No Hazard.	AVR1:0
R390	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:**
R531	Open	Normal operation.	AVR1:**
R532	Open	Normal operation.	AVR1:**
R533	Open	Normal operation.	AVR1:**
R534	Open	Normal operation.	AVR1:**



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Component	Mode		Comment	Output Voltage (V)
R535	Open		Normal operation.	AVR1:**
R536	Open		Normal operation.	AVR1:**
R537	Open		Normal operation.	AVR1:**
R539	Open		Normal operation.	AVR1:**
R540	Open		Normal operation.	AVR1:**
R601	Open		No Hazard.	AVR1:0
R602	Open		No Hazard.	AVR1:0
R603	Open		No Hazard.	AVR1:0
R611	Open		Output voltage decreased. No hazard.	AVR1:decreased
R612	Open		Normal operation.	AVR1:**
R613	Open		Normal operation.	AVR1:**
R614	Open		Normal operation.	AVR1:**
R615	Open		Output voltage decreased. No hazard.	AVR1:decreased
R616	Open		Normal operation.	AVR1:**
SS101	Open		No Hazard.	AVR1:0
	Short		See page 16.	
SS501	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
SS502	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T301	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0



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Component	Mode		Comment	Output Voltage (V)
T301	Open	6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-3	F101 opend. No Hazard.	AVR1:0
		3-4	F101 opend. No Hazard.	AVR1:0
		4-5	F101 opend. No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
T302	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-3	No Hazard.	AVR1:0
		3-5	No Hazard.	AVR1:0
		6-8	No Hazard.	AVR1:0
		8-10	No Hazard.	AVR1:0
TH101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
TH102	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
TR301	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0



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Component	Mode		Comment	Output Voltage (V)
TR301	Open	G	No Hazard.	AVR1:0
	Short	D-S	See page 16.	
		S-G	No Hazard.	AVR1:0
		G-D	F101 opend. No Hazard.	AVR1:0
TR302	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	F101 opend. No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opend. No Hazard.	AVR1:0
TR311	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR352	Open	C	Normal operation.	AVR1:*
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR381	Open	E(1)	Normal operation.	AVR1:*
		B(2)	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR381	Open	C (3)	Normal operation.	AVR1:**
		E (4)	Normal operation.	AVR1:**
		B (5)	Normal operation.	AVR1:**
		C (6)	Normal operation.	AVR1:**
	Short	E-B (1-2)	Normal operation.	AVR1:**
		B-C (2-3)	Normal operation.	AVR1:**
		E-B (4-5)	Normal operation.	AVR1:**
		B-C (5-6)	No Hazard.	AVR1:0
TR383	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR531	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:**
TR532	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	No Hazard.	AVR1:0



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Component	Mode		Comment	Output Voltage (V)
TR532	Short	E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
VR601	Open	brush	No Hazard.	AVR1:0
			No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD311	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD351	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
ZD352	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD381	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
ZD531	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD532	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C301	Short		F101 opend. No Hazard.	AVR1:0
SS101	Short		F101 opend. No Hazard.	AVR1:0
TR301	Short	D-S	F101 opend. No Hazard.	AVR1:0