



ABNORMAL TEST RESULT

OF MODEL UMA30F

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 : 2/10 ~ 9/10)

(Abnormal Test Result: 10/10 ~ 10/10)

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	Fuse opend. No Hazard.	AVR1:0
C103	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C104	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C110	Open	No Hazard.	AVR1:0
	Short	Fuse opend. No Hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	Fuse opend. No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C150	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C151	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C203	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C205	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C206	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0



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Component	Mode	Comment	Output Voltage (V)
C207	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C208	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C502 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C503	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C505	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:decreased
C601	Open	No Hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:decreased
C602	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C604	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D101	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D202	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
D203	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:decreased
		3	Fuse 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	Fuse opend. No Hazard.	AVR1:0
		5-6	Fuse 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
J101	Open		No Hazard.	AVR1:0
J201	Open		No Hazard.	AVR1:decreased
J203	Open		No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
J204	Open		Normal operation.	AVR1:*
J501	Open		Normal operation.	AVR1:*
J601 (Except: -36, -48)	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	Fuse open. No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	Fuse open. 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	Fuse open. No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	Fuse open. No Hazard.	AVR1:0
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L502	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
L502	Short	2-3	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
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
PC202	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R201 (Except:-5)	Open		Normal operation.	AVR1:*
R202	Open		Normal operation.	AVR1:*
R203	Open		Normal operation.	AVR1:*
R204	Open		No Hazard.	AVR1:0
R205	Open		No Hazard.	AVR1:0
R207	Open		No Hazard.	AVR1:0
R208	Open		No Hazard.	AVR1:0
R209	Open		No Hazard.	AVR1:0
R210	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R211	Open	No Hazard.	AVR1:decreased
R212	Open	No Hazard.	AVR1:decreased
R214	Open	No Hazard.	AVR1:0
R215	Open	Normal operation.	AVR1:*
R216	Open	No Hazard.	AVR1:0
R218	Open	No Hazard.	AVR1:0
R501	Open	Normal operation.	AVR1:*
R502 (Only -24, -36, -48)	Open	Normal operation.	AVR1:*
R505 (Only -12, -15, -5)	Open	Normal operation.	AVR1:*
R507 (Except:-36, -48)	Open	Normal operation.	AVR1:*
R508	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	No Hazard.	AVR1:decreased
R603	Open	No Hazard.	AVR1:decreased
R604	Open	Normal operation.	AVR1:*
R605	Open	No Hazard.	AVR1:decreased
R606	Open	No Hazard.	AVR1:0
R607	Open	No Hazard.	AVR1:0
R608	Open	No Hazard.	AVR1:0
R609	Open	No Hazard.	AVR1:0
SS101	Open	No Hazard.	AVR1:0
	Short	Fuse opend. No Hazard.	AVR1:0
SS501	Open	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
SS501	Short		No Hazard.	AVR1:decreased
T201	Open	A	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
		1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	A-B	Fuse open. No Hazard.	AVR1:0
		1-2	Fuse open. No Hazard.	AVR1:0
		4-7	Fuse open. No Hazard.	AVR1:0
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 10.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 10.	
TR202	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD501	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD502 (Only -36, -48)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
ZD601 (Only -36, -48)	Open	No Hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR201	Short	D-S	Fuse opend. No Hazard.	AVR1:0
		G-D	Fuse opend. No Hazard.	AVR1:0