

ABNORMAL TEST RESULT

OF MODEL TUHS15

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/ 9 ~ 7/ 9)

(Abnormal Test Result: 8/ 9 ~ 9/ 9)

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	See 8 Page.	
C102	Open	Normal operation.	
	Short	See 8 Page.	
C103	Open	Normal operation.	
	Short	See 8 Page.	
C104	Open	Normal operation.	
	Short	See 8 Page.	
C110	Open	See 8 Page.	
	Short	No Hazard.	AVR1:0
C111	Open	Normal operation.	
	Short	See 8 Page.	
C120	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C121	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C122	Open	See 8 Page.	
	Short	No Hazard.	AVR1:0
C123	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C124	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C201	Open	Normal operation.	
	Short	See 8 Page.	

F M E A

Component	Mode	Comment	Output Voltage (V)
C202	Open	Normal operation.	
	Short	See 8 Page.	
C203	Open	Normal operation.	
	Short	See 8 Page.	
C204	Open	Normal operation.	
	Short	See 8 Page.	
C205	Open	Normal operation.	
	Short	See 8 Page.	
C210	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C211	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C212	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C231	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
D110	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D112	Open	No Hazard.	AVR1:0
	Short	See 8 Page.	
D120	Open	See 8 Page.	
	Short	Normal operation.	
D121	Open	See 8 Page.	
	Short	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
D122	Open		Normal operation.	
	Short		See 8 Page.	
D123	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D201	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D231	Open		Normal operation.	
	Short		Normal operation.	
IC101	Open	1	See 8 Page.	
		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	Normal operation.	
		8	Normal operation.	
	Short	1-2	See 8 Page.	
		2-3	See 8 Page.	
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC101	Short	7-8	Normal operation.	
IC201	Open	K	No Hazard.	AVR1:0
		A	No Hazard.	AVR1:0
		R	No Hazard.	AVR1:0
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		K-R	No Hazard.	AVR1:0
		R-A	No Hazard.	AVR1:0
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L121	Open		See 8 Page.	
	Short		No Hazard.	AVR1:0
L201	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
PC101	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
SS101	Open		No Hazard.	AVR1:0
	Short		External fuse opened. No Hazard.	AVR1:0
T101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	See 8 Page.	
		4	See 8 Page.	
		5	See 8 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
T101	Open	6	See 8 Page.	
	Short	1-2	See 9 Page.	
		3-4	See 9 Page.	
		5-6	See 9 Page.	
TR101	Open	D	See 9 Page.	
		S	See 9 Page.	
		G	See 9 Page.	
	Short	D-S	See 9 Page.	
		S-G	See 9 Page.	
		G-D	See 9 Page.	
TR102	Open	D	See 9 Page.	
		S	See 9 Page.	
		G	See 9 Page.	
	Short	D-S	See 9 Page.	
		S-G	See 9 Page.	
		G-D	See 9 Page.	
ZD121	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
R110	Open		Normal operation.	
R120	Open		Normal operation.	
R122	Open		See 9 Page.	
R123	Open		No Hazard.	AVR1:0
R125	Open		No Hazard.	AVR1:0
R126	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R127	Open		No Hazard.	AVR1:0
R128	Open		No Hazard.	AVR1:0
R130	Open		See 9 Page.	
R131	Open		See 9 Page.	
R132	Open		See 9 Page.	
R136	Open		Normal operation.	
R210	Open		No Hazard.	AVR1:0
R211	Open	only 15, 24	No Hazard.	AVR1:0
R212	Open		Output voltage decreased. No hazard.	AVR1:0
R213	Open		Output voltage decreased. No hazard.	AVR1:0
R214	Open		No Hazard.	AVR1:0
R215	Open		No Hazard.	AVR1:0
R216	Open		Output voltage decreased. No hazard.	AVR1:0
R217	Open		Output voltage decreased. No hazard.	AVR1:0
R218	Open		Output voltage decreased. No hazard.	AVR1:0
R231	Open		Normal operation.	
R232	Open		Normal operation.	
R233	Open		Normal operation.	
R234	Open		Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C101	Short		External fuse opened. No Hazard.	AVR1:0
C102	Short		No Hazard.	AVR1:0
C103	Short		No Hazard.	AVR1:0
C104	Short		No Hazard.	AVR1:0
C110	Open		Normal operation.	
C111	Short		Normal operation.	
C122	Open		Normal operation.	
C201	Short		No Hazard.	AVR1:0
C202	Short		No Hazard.	AVR1:0
C203	Short		No Hazard.	AVR1:0
C204	Short		No Hazard.	AVR1:0
C205	Short		No Hazard.	AVR1:0
D112	Short		No Hazard.	AVR1:0
D120	Open		Normal operation.	
D121	Open		Normal operation.	
D122	Short		Normal operation.	
IC101	Open	1	Normal operation.	
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
L121	Open		Normal operation.	
T101	Open	3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	
		6	Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
T101	Short	1-2	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR101	Open	D	Normal operation.	
		S	Normal operation.	
		G	Normal operation.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	Normal operation.	
TR102	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	No Hazard.	AVR1:0
R122	Open		Normal operation.	
R130	Open		Normal operation.	
R131	Open		Normal operation.	
R132	Open		Normal operation.	