

ABNORMAL TEST RESULT

OF MODEL MGS348□□

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/ 8 ~ 7/ 8)

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

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	No Hazard.	AVR1:0
C12	Open	No Hazard.	AVR1:0
	Short	External Fuse opened, No hazard.	AVR1:0
C21	Open	Normal operation.	
	Short	Normal operation.	
C22	Open	No Hazard.	
	Short	External Fuse opened, No hazard.	AVR1:0
C31	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	AVR1:0
C32	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C33	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C41	Open	Normal operation.	
	Short	External Fuse opened, No hazard.	AVR1:0
C51	Open	Normal operation.	
	Short	See 8 Page.	
C52	Open	Normal operation.	
	Short	See 8 Page.	
C71	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C72	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased

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.	
C121	Open		Normal operation.	
	Short		Normal operation.	
C122	Open		Normal operation.	
	Short		No Hazard.	
C201 only 12V	Open		Normal operation.	
	Short		No Hazard.	
C211 only 3.3V, 5V, 12V	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	AVR1:0
D21	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	AVR1:0
D31	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	AVR1:0
D201	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	AVR1:0
D202	Open		Normal operation.	
	Short		External Fuse opened, No hazard.	AVR1:0
IC11	Open	1	No Hazard.	AVR1:0
		2	See 8 Page.	
		3	No Hazard.	AVR1:0
		4	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC11	Open	5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	External Fuse opened, No hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	External Fuse opened, No hazard.	AVR1:0
		2-3	Normal operation.	
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	No Hazard.	AVR1:0
		6-7	Output voltage decreased. No hazard.	AVR1:decreased
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC12	Open	1	External Fuse opened, No hazard.	AVR1:0
		2	Normal operation.	
		3	External Fuse opened, No hazard.	AVR1:0
		4	Normal operation.	
		5	See 8 Page.	
		6	No Hazard.	AVR1:0
	Short	1-2	External Fuse opened, No hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		4-5	External Fuse opened, No hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
IC71	Open	3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	3-4	Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
IC71	Short	4-5	No Hazard.	AVR1:0
PC11	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
R11	Open		No Hazard.	AVR1:0
R13	Open		Normal operation.	
R14	Open		External Fuse opened, No hazard.	AVR1:0
R15	Open		External Fuse opened, No hazard.	AVR1:0
R16	Open		Normal operation.	AVR1:*
R17	Open		No Hazard.	AVR1:0
R21	Open		Normal operation.	
R22	Open		Normal operation.	
R24	Open		No Hazard.	AVR1:0
R31	Open		External Fuse opened, No hazard.	AVR1:0
R41	Open		Normal operation.	
R42	Open		No Hazard.	AVR1:0
R43	Open		Normal operation.	
R71	Open		No Hazard.	AVR1:0
R72	Open		No Hazard.	AVR1:0
R73	Open		Output voltage decreased. No hazard.	AVR1:decreased
R74	Open		No Hazard.	AVR1:0
R75	Open		Output voltage decreased. No hazard.	AVR1:decreased
R76	Open		Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
R77	Open		Output voltage decreased. No hazard.	AVR1:decreased
R111	Open		No Hazard.	
R121	Open		No Hazard.	
R122	Open		Normal operation.	
R201 only 3.3V, 5V, 15V	Open		Normal operation.	
SS41	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	
		3	No Hazard.	AVR1:0
	Short	1-2	External Fuse opened, No hazard.	AVR1:0
		1-3	External Fuse opened, No hazard.	AVR1:0
		2-3	Normal operation.	
TR11	Open	D	See 8 Page.	
		S	See 8 Page.	
		G	See 8 Page.	
	Short	D-S	See 8 Page.	
		S-G	See 8 Page.	
		G-D	See 8 Page.	
TR12	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	External Fuse opened, No hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
TR101	Open	D	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR101	Open	S	Normal operation.	
		G	No Hazard.	
	Short	D-S	Normal operation.	
		S-G	Normal operation.	
		G-D	No Hazard.	
ZD11	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD21	Open		No Hazard.	AVR1:0
	Short		Normal operation.	

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C51	Short		No Hazard.	AVR1:0
C52	Short		No Hazard.	AVR1:0
C101	Short		External Fuse opened, No hazard.	AVR1:0
C102	Short		External Fuse opened, No hazard.	AVR1:0
IC11	Open	2	External Fuse opened, No hazard.	AVR1:0
IC12	Open	5	External Fuse opened, No hazard.	AVR1:0
TR11	Open	D	No Hazard.	AVR1:0
		S	External Fuse opened, No hazard.	AVR1:0
		G	External Fuse opened, No hazard.	AVR1:0
	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