

## ABNORMAL TEST RESULT

OF MODEL LGA150A

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 : 2/13 ~ 12/13)

( Abnormal Test Result: 13/13 ~ 13/13)

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		F101 opened, No hazard.	AVR1:0
C110	Open		Normal operation.	
	Short		No hazard.	AVR1:0
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
C114	Open		Normal operation.	
	Short		No hazard.	AVR1:0
C201	Open		No hazard.	AVR1:0
	Short		Normal operation.	
C203	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
C204	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
C205	Open	only-3R3, 5	Normal operation.	
	Short	only-3R3, 5	Normal operation.	
C206	Open		Normal operation.	
	Short		Normal operation.	
C207	Open		Normal operation.	
	Short		No hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
C208	Open		Normal operation.	
	Short		Normal operation.	
C209	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
C211	Open		Normal operation.	
	Short		See 13 page.	
C212	Open		Normal operation.	
	Short		See 13 page.	
C216	Open		Normal operation.	
	Short		No hazard.	AVR1:0
C220	Open	only-3R3, 5	Normal operation.	
	Short	only-3R3, 5	Normal operation.	
C221	Open	only-3R3, 5	Normal operation.	
	Short	only-3R3, 5	Normal operation.	
C501	Open		Normal operation.	
	Short		See 13 page.	
C502	Open		Normal operation.	
	Short		See 13 page.	
C503	Open		Normal operation.	
	Short		See 13 page.	
C504	Open		Normal operation.	
	Short		See 13 page.	
C506	Open		Normal operation.	
	Short		No hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
C507	Open		Normal operation.	
	Short		No hazard.	AVR1:0
C508	Open		Normal operation.	
	Short		No hazard.	AVR1:0
C601	Open	except-3R3, 5	Normal operation.	
	Short	except-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
C602	Open	except-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	except-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
C603	Open	only-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	only-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
D101	Open		No hazard.	AVR1:0
	Short		Normal operation.	
D201	Open		Normal operation.	
	Short		Normal operation.	
D204	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D205	Open		Normal operation.	
	Short		Normal operation.	
D210	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No hazard.	AVR1:0
		11	No hazard.	AVR1:0
		12	Output voltage decreased. No hazard.	AVR1:decreased
		13	Output voltage decreased. No hazard.	AVR1:decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No hazard.	AVR1:0
		18	Output voltage decreased. No hazard.	AVR1:decreased
		19	Output voltage decreased. No hazard.	AVR1:decreased
		20	No hazard.	AVR1:0
	Short	1-2	Normal operation.	
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	9-10	No hazard.	AVR1:0
		11-12	No hazard.	AVR1:0
		12-13	No hazard.	AVR1:0
		13-14	Normal operation.	
		14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
		19-20	No hazard.	AVR1:0
IC601	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	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No hazard.	AVR1:0
J201	Open		No hazard.	AVR1:0
J202	Open	except-3R3, 5	Normal operation.	
J204	Open		No hazard.	AVR1:0
J205	Open		No hazard.	AVR1:0
L101	Open		No hazard.	AVR1:0
	Short		Normal operation.	
L507	Open		No hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased

## F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No hazard.	AVR1:0
PC202	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
SCR101	Open	T1	No hazard.	AVR1:0
		T2	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	T1-T2	Normal operation.	
		T1-G	No hazard.	AVR1:0
		T2-G	No hazard.	AVR1:0
SS101	Open		No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501	Open	Cathode	See 13 page.	
		Alternative	See 13 page.	
	Short		No hazard.	AVR1:0
SS502	Open	Cathode	See 13 page.	
		Alternative	See 13 page.	
	Short		No hazard.	AVR1:0
SS503	Open	Cathode except-24, 48	See 13 page.	
		Alternative except-24, 48	See 13 page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
SS503	Short	except-24, 48	No hazard.	AVR1:0
T101	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
		5	No hazard.	AVR1:0
		6	No hazard.	AVR1:0
		7or8or9	See 13 page.	
		10or11or12	See 13 page.	
	Short	1-2	No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
		5-6	No hazard.	AVR1:0
		7or8or9-10or11or12	No hazard.	AVR1:0
TR201	Open	D	See 13 page.	
		S	See 13 page.	
		G	See 13 page.	
	Short	D-S	See 13 page.	
		S-G	See 13 page.	
		G-D	See 13 page.	
VR601	Open	brush only-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
		only-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	only-3R3, 5	No hazard.	AVR1:0
ZD201	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD601	Open		Normal operation.	



F M E A

Component	Mode	Comment	Output Voltage (V)
ZD601	Short	No hazard.	AVR1:0
ZD602	Open	Normal operation.	
	Short	No hazard.	AVR1:0
	Open	No hazard.	AVR1:0
	Short	Output voltage decreased. No hazard.	AVR1:decreased
R101	Open	Normal operation.	
R102	Open	Normal operation.	
R103	Open	Normal operation.	
R104	Open	Normal operation.	
R106	Open	Normal operation.	
R107	Open	Normal operation.	
R108	Open	Normal operation.	
R109	Open	Normal operation.	
R110	Open	Normal operation.	
R111	Open	No hazard.	AVR1:0
R112	Open	No hazard.	AVR1:0
R113	Open	No hazard.	AVR1:0
R114	Open	No hazard.	AVR1:0
R120	Open	Normal operation.	
R121	Open	Normal operation.	
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	No hazard.	AVR1:0

## F M E A

Component	Mode	Comment	Output Voltage (V)
R203	Open	Output voltage decreased. No hazard.	AVR1:decreased
R204	Open	Output voltage decreased. No hazard.	AVR1:decreased
R205	Open	Normal operation.	
R206	Open	Normal operation.	
R207	Open	Normal operation.	
R208	Open	Normal operation.	
R209	Open	Normal operation.	
R210	Open	Normal operation.	
R211	Open	Normal operation.	
R212	Open	Normal operation.	
R213	Open	Normal operation.	
R214	Open	Normal operation.	
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R217	Open	Normal operation.	
R218	Open	Normal operation.	
R219	Open	Normal operation.	
R221	Open	No hazard.	AVR1:0
R222	Open	No hazard.	AVR1:0
R223	Open	No hazard.	AVR1:0
R231	Open	Normal operation.	
R232	Open	Normal operation.	
R233	Open	Normal operation.	
R234	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R235	Open	Normal operation.	
R236	Open	Normal operation.	
R237	Open	Normal operation.	
R238	Open	Normal operation.	
R239	Open	Normal operation.	
R240	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	Normal operation.	
R504	Open	Normal operation.	
R505	Open	Normal operation.	
R506	Open	Normal operation.	
R507	Open	Normal operation.	
R508	Open	Normal operation.	
R509	Open	Normal operation.	
R510	Open	Normal operation.	
R511	Open	Normal operation.	
R512	Open	Normal operation.	
R513	Open	Normal operation.	
R514	Open	Normal operation.	
R521	Open	Normal operation.	
R522	Open	Normal operation.	
R523	Open	Normal operation.	
R524	Open	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
R525	Open		Normal operation.	
R526	Open		Normal operation.	
R527	Open		Normal operation.	
R528	Open		Normal operation.	
R529	Open	only-3R3, 5	Normal operation.	
R530	Open	only-3R3, 5	Normal operation.	
R531	Open	only-3R3, 5	Normal operation.	
R532	Open	only-3R3, 5	Normal operation.	
R533	Open	only-3R3, 5	Normal operation.	
R601	Open		Normal operation.	
R603	Open		Normal operation.	
R604	Open		Normal operation.	
R605	Open		Normal operation.	
R606	Open		Output voltage decreased. No hazard.	AVR1:decreased
R607	Open		No hazard.	AVR1:0
R608	Open		No hazard.	AVR1:0
R609	Open		Output voltage decreased. No hazard.	AVR1:decreased
R610	Open	except-3R3, 5	Output voltage decreased. No hazard.	AVR1:decreased
R611	Open	except- 3R3, 5, 48	Normal operation.	

## ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C211	Short		Normal operation.	
C212	Short		Normal operation.	
C501	Short		Normal operation.	
C502	Short		Normal operation.	
C503	Short		Normal operation.	
C504	Short		Normal operation.	
SS501	Open	Cathode	Normal operation.	
		Alternative	Normal operation.	
SS502	Open	Cathode	Normal operation.	
		Alternative	Normal operation.	
SS503	Open	Cathode except-24, 48	Normal operation.	
		Alternative except-24, 48	Normal operation.	
T101	Open	7or8or9	Normal operation.	
		10or11or12	Normal operation.	
TR201	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