

ABNORMAL TEST RESULT

OF MODEL LFA30F

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 : 2/11 ~ 10/11)

(Abnormal Test Result: 11/11 ~ 11/11)

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
C104	Open	No Hazard.	AVR1:0
	Short	F101 opened, No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	See 11 Page.	
C201	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	
	Short	See 11 Page.	
C205	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C206	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C207	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C501	Open	Normal operation.	
	Short	Normal operation.	
C502	Open	Normal operation.	
	Short	Normal operation.	
C503	Open	Normal operation.	
	Short	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
C504	Open		Normal operation.	
	Short		Normal operation.	
C505	Open		Normal operation.	
	Short		Normal operation.	
C506	Open		Normal operation.	
	Short		Normal operation.	
C507	Open		Normal operation.	
	Short		Normal operation.	
C508	Open		Normal operation.	
	Short		Normal operation.	
C509	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C601	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C604	Open	only 3R3-Y, 5	Normal operation.	
	Short	only 3R3-Y, 5	No Hazard.	AVR1:0
C605	Open	only 3R3-Y	Normal operation.	
	Short	only 3R3-Y	Output voltage decreased. No hazard.	AVR1:decreased
C607	Open	only 3R3-Y, 5	Normal operation.	
	Short	only 3R3-Y, 5	Normal operation.	
D101	Open		Normal operation.	
	Short		See 11 Page.	
D201	Open		See 11 Page.	
	Short		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
D202	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
D203	Open		Normal operation.	
	Short		F101 opened, No hazard.	AVR1:0
D204	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D205	Open		Normal operation.	
	Short		Normal operation.	
D206	Open		Normal operation.	
	Short		Normal operation.	
D207	Open		Normal operation.	
	Short		Normal operation.	
IC201	Open	1	Normal operation.	
		2	No Hazard.	AVR1:0
		3	See 11 Page.	
		4	See 11 Page.	
		5	See 11 Page.	
		6	No Hazard.	AVR1:0
		7	Normal operation.	
		8	Normal operation.	
	Short	1-2	See 11 Page.	
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	See 11 Page.	
		5-6	See 11 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	6-7	Normal operation.	
		7-8	Normal operation.	
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
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		Normal operation.	
	Short		Normal operation.	
L201	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
L501	Open		See 11 Page.	
	Short		Normal operation.	
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.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501	Open	Cathode	F101 opened, No hazard.	AVR1:0
		Alternative	See 11 Page.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T101	Open	2, 3, 4, 5	See 11 Page.	
		6, 7	No Hazard.	AVR1:0
		9, 10	Output voltage decreased. No hazard.	AVR1:decreased
	Short	3-4	F101 opened, No hazard.	AVR1:0
		6-7	F101 opened, No hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
Th101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
TR201	Open	D	See 11 Page.	
		S	See 11 Page.	
		G	See 11 Page.	
	Short	D-S	See 11 Page.	
		S-G	See 11 Page.	
		G-D	See 11 Page.	
TR202	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Short	B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR203	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	
		B-C	No Hazard.	AVR1:0
VR601	Open	brush only 3R3-Y	Output voltage decreased. No hazard.	AVR1:decreased
		only 3R3-Y	Output voltage decreased. No hazard.	AVR1:decreased
	Short	only 3R3-Y	Output voltage increased. No hazard.	AVR1:increased(120%)
ZD201	Open		Normal operation.	
	Short		Normal operation.	
ZD601	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
R101	Open		Normal operation.	
R102	Open		Normal operation.	
R103	Open		Normal operation.	
R104	Open		Normal operation.	
R105	Open		Normal operation.	
R106	Open		Normal operation.	
R107	Open		Normal operation.	
R108	Open		Normal operation.	
R120	Open		Normal operation.	
R121	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R122	Open	Normal operation.	
R123	Open	Normal operation.	
R124	Open	Normal operation.	
R125	Open	Normal operation.	
R126	Open	Normal operation.	
R127	Open	Normal operation.	
R128	Open	Normal operation.	
R201	Open	Normal operation.	
R202	Open	Normal operation.	
R203	Open	Normal operation.	
R204	Open	Output voltage decreased. No hazard.	AVR1:decreased
R205	Open	See 11 Page.	
R206	Open	Normal operation.	
R207	Open	No Hazard.	AVR1:0
R208	Open	See 11 Page.	
R209	Open	Output voltage decreased. No hazard.	AVR1:decreased
R210	Open	Normal operation.	
R211	Open	Normal operation.	
R212	Open	Output voltage decreased. No hazard.	AVR1:decreased
R213	Open	Output voltage decreased. No hazard.	AVR1:decreased
R214	Open	Normal operation.	
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R217	Open	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R221	Open		See 11 Page.	
R222	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.	
R601	Open		Normal operation.	
R602	Open		Normal operation.	
R603	Open		Normal operation.	
R604	Open		No Hazard.	AVR1:0
R605	Open		No Hazard.	AVR1:0
R606	Open		No Hazard.	AVR1:0
R607	Open		Normal operation.	
R608	Open		Output voltage decreased. No hazard.	AVR1:decreased
R610	Open		No Hazard.	AVR1:0
R611	Open		No Hazard.	AVR1:0
R612	Open		Output voltage decreased. No hazard.	AVR1:decreased
R613	Open	except 3R3-Y	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
R615	Open	only 3R3-Y, 5	Output voltage decreased. No hazard.	AVR1:decreased



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C105	Short		F101 opened, No hazard.	AVR1:0
C204	Short		No Hazard.	AVR1:0
D101	Short		F101 opened, No hazard.	AVR1:0
D201	Open		Normal operation.	
IC201	Open	3	No Hazard.	AVR1:0
		4	F101 opened, No hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	
		3-4	No Hazard.	AVR1:0
		5-6	F101 opened, No hazard.	AVR1:0
L501	Open		No Hazard.	AVR1:0
SS501	Open	Alternative	Normal operation.	
T101	Open	2, 3, 4, 5	Normal operation.	
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
R205	Open		No Hazard.	AVR1:0
R208	Open		Normal operation.	
R221	Open		No Hazard.	AVR1:0