

## ABNORMAL TEST RESULT

## OF MODEL LFA15F

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		F101 opened, No hazard.	AVR1:0
C103	Open		See 8 Page.	
	Short		See 8 Page.	
C104	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C105	Open		Normal operation.	
	Short		Normal operation.	
C106	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C107	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C108	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C109	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C501	Open		Normal operation.	
	Short		Normal operation.	
C502	Open		Normal operation.	
	Short		Normal operation.	
C503	Open		See 8 Page.	
	Short		No Hazard.	AVR1:0
C504	Open	Except-12, 15, 24	See 8 Page.	
	Short	Except-12, 15, 24	No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
C508	Open		See 8 Page.	
	Short		No Hazard.	AVR1:0
C509	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C510	Open	Except-12, 15, 24	Normal operation.	
	Short	Except-12, 15, 24	Output voltage decreased. No hazard.	AVR1:decreased
C511	Open	Except-12, 15, 24	Normal operation.	
	Short	Except-12, 15, 24	No Hazard.	AVR1:0
C514	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D101	Open		Normal operation.	
	Short		See 8 Page.	
D102	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
D501	Open		See 8 Page.	
	Short		See 8 Page.	
D502	Open		See 8 Page.	
	Short		See 8 Page.	
IC101	Open	1 (CNT)	See 8 Page.	
		2 (S)	See 8 Page.	
		3 (D)	See 8 Page.	
	Short	1 (CNT) -2 (S)	See 8 Page.	
		1 (CNT) -3 (D)	See 8 Page.	
		2 (S) -3 (D)	See 8 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	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
J102	Open		Normal operation.	
J501	Open		Normal operation.	
J502	Open		Normal operation.	
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L501	Open		See 8 Page.	
	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	Output voltage decreased. No hazard.	AVR1:decreased
PC102	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
SS101	Short		F101 opened, No hazard.	AVR1:0
T101	Open	1or2	See 8 Page.	
		4or5	See 8 Page.	
		(7, )8or9(, 10)	See 8 Page.	
	Short	1-2	See 8 Page.	
		4-5	See 8 Page.	
		(7, )8-9(, 10)	See 8 Page.	
TH101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
TR101	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
TR102	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%)

F M E A

Component	Mode		Comment	Output Voltage (V)
ZD501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
ZD503	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.	
R109	Open		Normal operation.	
R110	Open		Normal operation.	
R111	Open		No Hazard.	AVR1:0
R112	Open		Normal operation.	
R113	Open		Normal operation.	
R114	Open	Only-24	Normal operation.	
R501	Open		Normal operation.	
R502	Open		Normal operation.	
R507	Open		Normal operation.	
R508	Open		Normal operation.	
R509	Open		Normal operation.	
R511	Open		Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
R512	Open		No Hazard.	AVR1:0
R513	Open		No Hazard.	AVR1:0
R514	Open		Output voltage decreased. No hazard.	AVR1:decreased
R515	Open	Except-3R3-Y	Output voltage decreased. No hazard.	AVR1:decreased
R516	Open		Normal operation.	
R517	Open		Normal operation.	
R518	Open		Normal operation.	
R519	Open		See 9 Page.	
R520	Open		Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
C103	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
C503	Open	Only-3R3-Y, 5	Normal operation.	
		Only-12, 15, 24	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Except-12, 15, 24	Normal operation.	
C508	Open		Output voltage decreased. No hazard.	AVR1:decreased
D101	Short		No Hazard.	AVR1:0
D501	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D502	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
IC101	Open	1 (CNT)	No Hazard.	AVR1:0
		2 (S)	R113 opened, No hazard.	AVR1:0
		3 (D)	No Hazard.	AVR1:0
	Short	1 (CNT) -2 (S)	No Hazard.	AVR1:0
		1 (CNT) -3 (D)	F101 opened, No hazard.	AVR1:0
		2 (S) -3 (D)	F101 opened, No hazard.	AVR1:0
L501	Open		No Hazard.	AVR1:0
T101	Open	1or2	No Hazard.	AVR1:0
		4or5	No Hazard.	AVR1:0
		(7, ) 8or9 (, 10)	No Hazard.	AVR1:0
		Only-3R3, 5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
		(7, ) 8-9 (, 10)	No Hazard.	AVR1:0





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Component	Mode	Comment	Output Voltage (V)
R519	Open	No Hazard.	AVR1:0