

ABNORMAL TEST RESULT

OF MODEL LHA10F

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 ~ 8/ 9)

(Abnormal Test Result: 9/ 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.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C201	Open	See page 9.	
	Short	F101 opened, No hazard.	AVR1:0
C204	Open	See page 9.	
	Short	See page 9.	
C212	Open	Normal operation.	AVR1:*
	Short	See page 9.	
C221	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C223	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C224	Open	Normal operation.	AVR1:*
	Short	See page 9.	
C231	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C241 (Except -3R3)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C242 (Except -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C501	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C502	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C503	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C505 (Only -3R3, -5)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C511	Open	See page 9.	
	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
C602 (Except -3R3)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C603	Open	Normal operation.	AVR1:*
	Short	No Hazard	AVR1:0
C604	Open	Normal operation.	AVR1:*
	Short	No Hazard	AVR1:0
C621	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D201	Open	See page 9.	
	Short	See page 9.	
D211	Open	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
D212	Open	See page 9.	
	Short	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
D221	Open		See page 9.	
	Short		No Hazard.	AVR1:0
D222	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D501	Open		No Hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC201	Open	1	No Hazard.	AVR1:0
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	F101 opened, No hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		8	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0
		5-6	F101 opened, No hazard.	AVR1:0
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC601	Short	4-5	No Hazard.	AVR1:0
J101	Open		Normal operation.	AVR1:*
J102	Open		No Hazard.	AVR1:0
J601	Open		No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
L201	Open		F101 opened, No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L221	Open		See page 9.	
	Short		No Hazard.	AVR1:0
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
PC241	Open	A, K	Output voltage decreased. No hazard.	AVR1:decreased
		C, E	Output voltage decreased. No hazard.	AVR1:decreased
	Short	A-K	Output voltage decreased. No hazard.	AVR1:decreased
		C-E	No Hazard.	AVR1:0
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R104	Open		Normal operation.	AVR1:*
R105	Open		Normal operation.	AVR1:*
R201	Open		Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R202	Open	Normal operation.	AVR1:*
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R211	Open	Output voltage decreased. No hazard.	AVR1:decreased
R213	Open	No Hazard.	AVR1:0
R214	Open	No Hazard.	AVR1:0
R215	Open	Normal operation.	AVR1:*
R216	Open	No Hazard.	AVR1:0
R221	Open	See page 9.	
R222	Open	No Hazard.	AVR1:0
R223	Open	No Hazard.	AVR1:0
R225	Open	Normal operation.	AVR1:*
R231	Open	F101 opened, No hazard.	AVR1:0
R232	Open	Output voltage decreased. No hazard.	AVR1:decreased
R241 (Except -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R243 (Only -3R3, -5)	Open	Normal operation.	AVR1:*
R251	Open	Normal operation.	AVR1:*
R511	Open	Normal operation.	AVR1:*
R512 (Only -3R3, -5)	Open	Normal operation.	AVR1:*
R601 (Only -3R3, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R602	Open	Output voltage decreased. No hazard.	AVR1:decreased
R603 (Except -3R3, -5)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604	Open	Output voltage decreased. No hazard.	AVR1:decreased
R605	Open	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
R606	Open		No Hazard.	AVR1:0
R607	Open		No Hazard.	AVR1:0
R608 (Except -3R3)	Open		No Hazard.	AVR1:0
R609	Open		No Hazard.	AVR1:0
R621	Open		Normal operation.	AVR1:*
SS101	Open		No Hazard.	AVR1:0
	Short	1-4	F101 opened, No hazard.	AVR1:0
		2-3	F101 opened, No hazard.	AVR1:0
T201	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	See page 9.	
		9	See page 9.	
	Short	2-3	F101 opened, No hazard.	AVR1:0
		7-8	F101 opened, No hazard.	AVR1:0
		8-9	F101 opened, No hazard.	AVR1:0
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	See page 9.	
		S-G	No Hazard.	AVR1:0
		G-D	See page 9.	
TR211	Open	C	See page 9.	

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Component	Mode		Comment	Output Voltage (V)
TR211	Open	E	See page 9.	
		B	See page 9.	
	Short	C-E	Normal operation.	AVR1:*
		E-B	No Hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*
VR601 (Only -3R3)	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage increased. No hazard.	AVR1:increased
ZD221	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C201	Open		F101 opened, No hazard.	AVR1:0
C204	Open		F101 opened, No hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C224	Short		Output voltage decreased. No hazard.	AVR1:decreased
C511	Open		Normal operation.	AVR1:*
D201	Open		F101 opened, No hazard.	AVR1:0
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D212	Open		Normal operation.	AVR1:*
D221	Open		Normal operation.	AVR1:*
L221	Open		Normal operation.	AVR1:*
R221	Open		Normal operation.	AVR1:*
T201	Open	8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
TR201	Short	D-S	F101 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0