

ABNORMAL TEST RESULT

OF MODEL PLA100F

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 : 2/16 ~ 14/16)

(Abnormal Test Result: 15/16 ~ 16/16)

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
C102	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C103	Open	See 15 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	Output voltage decreased.	AVR1:decreased
	Short	No hazard.	AVR1:0
C109	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C110	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C112	Open	Normal operation.	AVR1:**
	Short	F101 opened, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:**
	Short	See 15 Page.	
C115	Open	Normal operation.	AVR1:**
	Short	See 15 Page.	
C116	Open	Normal operation.	AVR1:**
	Short	See 15 Page.	
C120	Open	Normal operation.	AVR1:**
	Short	No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
C121	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C201	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C202	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C203	Open	Except -12	Normal operation.	AVR1:**
	Short	Except -12	Normal operation.	AVR1:**
C204	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C205	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C206	Open		Normal operation.	AVR1:**
	Short		See 15 Page.	
C207	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
C209	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
C220	Open		Normal operation.	AVR1:**
	Short		See 15 Page.	
C221	Open		Normal operation.	AVR1:**
	Short		See 15 Page.	
C501	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
C502	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
C503	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
C504	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
C518	Open		Normal operation.	AVR1:*
	Short		See 15 Page.	
C519	Open		Normal operation.	AVR1:*
	Short		See 15 Page.	
C520	Open		Normal operation.	AVR1:*
	Short		See 15 Page.	
C521	Open		Normal operation.	AVR1:*
	Short		See 15 Page.	
C601	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
C602	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
C604	Open	Except -12	Normal operation.	AVR1:*
	Short	Except -12	No hazard.	AVR1:0
D101	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
D102	Open		Output voltage decreased.	AVR1:decreased
	Short		No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
D103	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D104	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
D105	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D106	Open		Normal operation.	AVR1:**
	Short		See 15 Page.	
D107	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D201	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
D203	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D204	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
D205	Open		Normal operation.	AVR1:**
	Short		Normal operation.	AVR1:**
D210	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
IC201	Open	1	Output voltage decreased.	AVR1:decreased
		2	No hazard.	AVR1:0
		3	Output voltage decreased.	AVR1:decreased
		4	Output voltage decreased.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	5	Normal operation.	AVR1:*
		6	Output voltage decreased.	AVR1:decreased
		7	Output voltage decreased.	AVR1:decreased
		8	Normal operation.	AVR1:*
		9	No hazard.	AVR1:0
		10	See 15 Page.	
		11	Normal operation.	AVR1:*
		12	Output voltage decreased.	AVR1:decreased
		13	No hazard.	AVR1:0
		14	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	Output voltage decreased.	AVR1:decreased
		4-5	No hazard.	AVR1:0
		5-6	Output voltage decreased.	AVR1:decreased
		6-7	Output voltage decreased.	AVR1:decreased
		7-8	Output voltage decreased.	AVR1:decreased
		9-10	No hazard.	AVR1:0
		10-11	See 15 Page.	
		11-12	Output voltage decreased.	AVR1:decreased
		12-13	Output voltage decreased.	AVR1:decreased
		13-14	Normal operation.	AVR1:*
IC601	Open	K	No hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Open	A	No hazard.	AVR1:0
		R	No hazard.	AVR1:0
	Short	A-K	Output voltage decreased.	AVR1:decreased
		K-R	Output voltage decreased.	AVR1:decreased
		R-A	No hazard.	AVR1:0
J101	Open		No hazard.	AVR1:0
J102	Open		See 15 Page.	
J103	Open		No hazard.	AVR1:0
J104	Open		No hazard.	AVR1:0
J105	Open		Normal operation.	AVR1:*
J201	Open		Output voltage decreased.	AVR1:decreased
J202	Open		Output voltage decreased.	AVR1:decreased
J204	Open		Output voltage decreased.	AVR1:decreased
J501	Open	Except -36, -48	Normal operation.	AVR1:*
J601	Open	Except -36, -48	No hazard.	AVR1:0
J602	Open		No hazard.	AVR1:0
L101	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L102	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L103	Open	1	Output voltage decreased.	AVR1:decreased
		7	Output voltage decreased.	AVR1:decreased
		9	Output voltage decreased.	AVR1:decreased
		10	Output voltage decreased.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
L103	Short	9-10	No hazard.	AVR1:0
L501	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED501	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC201	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.	AVR1:decreased
PC202	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:0
SS101	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
SS501	Open	Cathode	See 15 Page.	
		Alternative	No hazard.	AVR1:0
	Short	C-A	See 15 Page.	
T201	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Output voltage decreased.	AVR1:decreased
		5	Output voltage decreased.	AVR1:decreased
		8, 9	See 15 Page.	

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Component	Mode		Comment	Output Voltage (V)
T201	Open	10, 11	See 15 Page.	
	Short	1-2	See 15 Page.	
		2-3	See 15 Page.	
		3-4	See 15 Page.	
		4-5	See 15 Page.	
		8, 9-10, 11	Output voltage decreased.	AVR1:decreased
TH101	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
TR101	Open	D	See 15 Page.	
		S	See 16 Page.	
		G	See 16 Page.	
	Short	D-S	See 16 Page.	
		S-G	See 16 Page.	
		G-D	See 16 Page.	
TR201	Open	D	See 16 Page.	
		S	See 16 Page.	
		G	See 16 Page.	
	Short	D-S	See 16 Page.	
		S-G	See 16 Page.	
		G-D	See 16 Page.	
TR202	Open	S(1)	Normal operation.	AVR1:*
		G(2)	Normal operation.	AVR1:*
		D(3)	Normal operation.	AVR1:*
		S(4)	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR202	Open	G(5)	Normal operation.	AVR1:*
		D(6)	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	See 16 Page.	
		5-6	See 16 Page.	
TR203	Open	C	Output voltage decreased.	AVR1:decreased
		E	Output voltage decreased.	AVR1:decreased
		B	Output voltage decreased.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
VR201	Open	brush	Normal operation.	AVR1:*
			Output voltage decreased.	AVR1:decreased
	Short		Normal operation.	AVR1:*
VR601	Open	brush	Output voltage decreased.	AVR1:decreased
			Output voltage decreased.	AVR1:decreased
	Short		No hazard.	AVR1:0
ZD101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
ZD102	Open		See 16 Page.	
	Short		Normal operation.	AVR1:*
ZD201	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
ZD501	Open	Only -36, -48	Normal operation.	AVR1:**
	Short	Only -36, -48	No hazard.	AVR1:0
ZD502	Open		Normal operation.	AVR1:**
	Short		No hazard.	AVR1:0
ZD601	Open	Only -36, -48	No hazard.	AVR1:0
	Short	Only -36, -48	Normal operation.	AVR1:**
SK101	Open		Normal operation.	AVR1:**
	Short		F101 opened, 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:**
R106	Open		No hazard.	AVR1:0
R107	Open		No hazard.	AVR1:0
R108	Open		No hazard.	AVR1:0
R109	Open		No hazard.	AVR1:0
R110	Open		Normal operation.	AVR1:**
R111	Open		Normal operation.	AVR1:**
R112	Open		Normal operation.	AVR1:**
R115	Open		Normal operation.	AVR1:**
R119	Open		Normal operation.	AVR1:**
R120	Open		Normal operation.	AVR1:**
R121	Open		Normal operation.	AVR1:**

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Component	Mode	Comment	Output Voltage (V)
R123	Open	Normal operation.	AVR1:**
R124	Open	Normal operation.	AVR1:**
R125	Open	Normal operation.	AVR1:**
R126	Open	Output voltage decreased.	AVR1:decreased
R127	Open	Output voltage decreased.	AVR1:decreased
R128	Open	Output voltage decreased.	AVR1:decreased
R130	Open	Normal operation.	AVR1:**
R131	Open	No hazard.	AVR1:0
R132	Open	No hazard.	AVR1:0
R133	Open	No hazard.	AVR1:0
R134	Open	No hazard.	AVR1:0
R135	Open	No hazard.	AVR1:0
R136	Open	Output voltage decreased.	AVR1:decreased
R137	Open	Output voltage decreased.	AVR1:decreased
R138	Open	Normal operation.	AVR1:**
R139	Open	Normal operation.	AVR1:**
R140	Open	Normal operation.	AVR1:**
R150	Open	No hazard.	AVR1:0
R151	Open	No hazard.	AVR1:0
R152	Open	Normal operation.	AVR1:**
R153	Open	Normal operation.	AVR1:**
R154	Open	Normal operation.	AVR1:**
R155	Open	Normal operation.	AVR1:**
R201	Open	Normal operation.	AVR1:**

F M E A

Component	Mode		Comment	Output Voltage (V)
R202	Open		Normal operation.	AVR1:**
R203	Open		Output voltage decreased.	AVR1:decreased
R204	Open		Output voltage decreased.	AVR1:decreased
R205	Open		Output voltage decreased.	AVR1:decreased
R206	Open		Normal operation.	AVR1:**
R207	Open	Except -12	Normal operation.	AVR1:**
R208	Open		Normal operation.	AVR1:**
R209	Open		No hazard.	AVR1:0
R210	Open		Output voltage decreased.	AVR1:decreased
R213	Open		No hazard.	AVR1:0
R215	Open		No hazard.	AVR1:0
R216	Open		Normal operation.	AVR1:**
R217	Open		Output voltage decreased.	AVR1:decreased
R218	Open		Output voltage decreased.	AVR1:decreased
R219	Open		Output voltage decreased.	AVR1:decreased
R230	Open		Normal operation.	AVR1:**
R231	Open		Normal operation.	AVR1:**
R232	Open		Normal operation.	AVR1:**
R233	Open		Normal operation.	AVR1:**
R234	Open		Normal operation.	AVR1:**
R235	Open		Normal operation.	AVR1:**
R236	Open		Normal operation.	AVR1:**
R237	Open		Normal operation.	AVR1:**
R501	Open		Normal operation.	AVR1:**



F M E A

Component	Mode		Comment	Output Voltage (V)
R510	Open	Except -24, -48	Normal operation.	AVR1:*
R511	Open	Only -12	Normal operation.	AVR1:*
R520	Open		Normal operation.	AVR1:*
R521	Open		Normal operation.	AVR1:*
R522	Open		Normal operation.	AVR1:*
R523	Open		Normal operation.	AVR1:*
R601	Open		Output voltage decreased.	AVR1:decreased
R602	Open		Output voltage decreased.	AVR1:decreased
R603	Open		Output voltage decreased.	AVR1:decreased
R604	Open		Normal operation.	AVR1:*
R605	Open		Output voltage decreased.	AVR1:decreased
R606	Open		No hazard.	AVR1:0
R607	Open		No hazard.	AVR1:0
R608	Open		Output voltage decreased.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C103	Open		Normal operation.	AVR1:*
C114	Short		Normal operation.	AVR1:*
C115	Short		Normal operation.	AVR1:*
C116	Short		Normal operation.	AVR1:*
C206	Short		F101 opened, No hazard.	AVR1:0
C220	Short		Normal operation.	AVR1:*
C221	Short		Normal operation.	AVR1:*
C518	Short		Normal operation.	AVR1:*
C519	Short		Normal operation.	AVR1:*
C520	Short		Normal operation.	AVR1:*
C521	Short		Normal operation.	AVR1:*
D106	Short		Normal operation.	AVR1:*
IC201	Open	10	F101 opened, No hazard.	AVR1:0
	Short	10-11	Normal operation.	AVR1:*
J102	Open		No hazard.	AVR1:0
SS501	Open	Cathode	Normal operation.	AVR1:*
	Short	C-A	No hazard.	AVR1:0
T201	Open	8, 9	No hazard.	AVR1:0
		10, 11	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
TR101	Open	D	Output voltage decreased.	AVR1:decreased



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR101	Open	S	Output voltage decreased.	AVR1:decreased
		G	Output voltage decreased.	AVR1:decreased
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
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
TR202	Short	4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
ZD102	Open		Normal operation.	AVR1:*