

ABNORMAL TEST RESULT

OF MODEL PLA30F

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	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C105	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	Normal operation.	
	Short	F101 opened, No hazard.	AVR1:0
C201	Open	Normal operation.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C202	Open	Output voltage decreased.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C204	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
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
C208	Open	Normal operation.	
	Short	No Hazard.	AVR1:0
C501	Open	Normal operation.	
	Short	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
C502	Open		Normal operation.	
	Short		Normal operation.	
C503	Open		Normal operation.	
	Short		Normal operation.	
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.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C601	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage decreased.	AVR1:decreased
C602	Open	Only -5	Normal operation.	
	Short	Only -5	No Hazard.	AVR1:0
C605	Open	Only -5	Normal operation.	
	Short	Only -5	Normal operation.	
D101	Open		Normal operation.	
	Short		F101 opened, No hazard.	AVR1:0

## F M E A

Component	Mode		Comment	Output Voltage (V)
D201	Open		Normal operation.	
	Short		Normal operation.	
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	Output voltage decreased. No hazard.	AVR1:decreased
		4	F101 opened, No hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		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

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	3-4	No Hazard.	AVR1:0
		5-6	F101 opened, No hazard.	AVR1:0
		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.	AVR1:decreased
		K-R	Output voltage decreased.	AVR1:decreased
		R-A	No Hazard.	AVR1:0
J101	Open		No Hazard.	AVR1:0
J201	Open		Output voltage decreased. No hazard.	AVR1:decreased
J202	Open		No Hazard.	AVR1:0
J203	Open		Output voltage decreased. No hazard.	AVR1:decreased
J204	Open		Normal operation.	AVR1:0
J205	Open		No Hazard.	AVR1:0
J206	Open		No Hazard.	AVR1:0
J501	Open		No Hazard.	AVR1:0
J502	Open		No Hazard.	AVR1:0
J503	Open		No Hazard.	AVR1:0
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L102	Open		Normal operation.	
	Short		Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
L201	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Normal operation.	
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
LED501	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	LED. A, K	No Hazard.	AVR1:0
		LED. C, E	No Hazard.	AVR1:0
	Short	TR. A-K	No Hazard.	AVR1:0
		TR. C-E	No Hazard.	AVR1:0
PC202	Open	LED. A, K	Normal operation.	
		LED. C, E	Normal operation.	
	Short	TR. A-K	Normal operation.	
		TR. C-E	No Hazard.	AVR1:0
SK101	Open		Normal operation.	
	Short		F101 opened, No hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS501	Open	Cathode	F101 opened, No hazard.	AVR1:0
		Alternative	No Hazard.	
	Short		Output voltage decreased. No hazard.	AVR1:decreased
T101	Open	2, 3, 4, 5	Normal operation.	
		6, 7	No Hazard.	AVR1:0
		9, 10	Output voltage decreased. No hazard.	AVR1:decreased

## F M E A

Component	Mode		Comment	Output Voltage (V)
T101	Short	2, 3-4, 5	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.	
		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	Output voltage decreased.	AVR1:decreased

## F M E A

Component	Mode		Comment	Output Voltage (V)
VR601	Open		Output voltage decreased.	AVR1:decreased
	Short		Output voltage increased.	AVR1:increased
ZD201	Open		Normal operation.	
	Short		Normal operation.	
ZD601	Open	Only -24	Normal operation.	
	Short	Only -24	No Hazard.	AVR1:0
ZD602	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.	
R110	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		No Hazard.	AVR1:0
R206	Open		Normal operation.	
R207	Open		No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
R208	Open		No Hazard.	AVR1:0
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.	AVR1:decreased
R214	Open		Normal operation.	
R215	Open		Normal operation.	
R216	Open		Normal operation.	
R217	Open		Normal operation.	
R222	Open		Normal operation.	
R501	Open		Normal operation.	
R502	Open		Normal operation.	
R503	Open		Normal operation.	
R504	Open		Normal operation.	
R510	Open		Normal operation.	
R511	Open		Normal operation.	
R512	Open		Normal operation.	
R513	Open		Normal operation.	
R514	Open		Normal operation.	
R520	Open		Normal operation.	
R601	Open	Except -24	Normal operation.	
R602	Open		Normal operation.	
R603	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R605	Open		No Hazard.	AVR1:0
R606	Open		No Hazard.	AVR1:0
R607	Open		Normal operation.	
R608	Open		Output voltage decreased.	AVR1:decreased
R609	Open		No Hazard.	AVR1:0
R610	Open		No Hazard.	AVR1:0
R611	Open		Output voltage decreased.	AVR1:decreased
R614	Open	Only -5	Output voltage decreased.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
SS101	Short		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
R110	Open		Normal operation.	