

ABNORMAL TEST RESULT

OF MODEL PBA10F

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
C102	Open		See 8 Page.	
	Short		F101 opened, No hazard	AVR1:0
C108	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C109	Open		See 8 Page.	
	Short		No Hazard.	AVR1:0
C110	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C113	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C114	Open	except 5V	Normal operation.	
	Short	except 5V	Normal operation.	
C115	Open	except 5V	Normal operation.	
	Short	except 5V	Normal operation.	
C120	Open		Normal operation.	
	Short		Normal operation.	
C502	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
C506	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
C508	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
C509	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C524	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D101	Open		No Hazard.	AVR1:0
	Short		See 8 Page.	
D102	Open		Normal operation.	
	Short		Normal operation.	
D103	Open		No Hazard.	AVR1:0
	Short		See 8 Page.	
D502	Open		See 8 Page.	
	Short		See 8 Page.	
D503	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.	
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

F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	Short	K-R	Output voltage decreased. No hazard.	AVR1:decreased
		R-A	No Hazard.	AVR1:0
J110	Open		No Hazard.	AVR1:0
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
L507	Open		No Hazard.	AVR1:0
	Short		Normal operation.	
LED501	Open		Normal operation.	
	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
SK101	Open		Normal operation.	
	Short		F101 opened, No hazard	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard	AVR1:0
T101	Open	1or2	See 8 Page.	
		3or4	See 8 Page.	
		5	See 8 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
T101	Open	7	See 8 Page.	
		8	See 8 Page.	
		9	See 8 Page.	
	Short	1or2-3or4	See 8 Page.	
		5-7	See 8 Page.	
		7-8	See 8 Page.	
		8-9	See 8 Page.	
TR101	Open	E	Normal operation.	
		C	Normal operation.	
		B	Normal operation.	
	Short	E-C	No Hazard.	AVR1:0
		C-B	No Hazard.	AVR1:0
		E-B	Normal operation.	
TR102	Open	E	Normal operation.	
		C	Normal operation.	
		B	Normal operation.	
	Short	E-C	No Hazard.	AVR1:0
		C-B	No Hazard.	AVR1:0
		E-B	Normal operation.	
TR103	Open	E	Normal operation.	
		C	Normal operation.	
		B	Normal operation.	
	Short	E-C	No Hazard.	AVR1:0
		C-B	No Hazard.	AVR1:0

F M E A

Component	Mode		Comment	Output Voltage (V)
TR103	Short	E-B	Normal operation.	
VR501	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage increased. No hazard.	AVR1:increased(120%)
ZD501	Open	only 24V	Normal operation.	
	Short	only 24V	No Hazard.	AVR1:0
ZD502	Open	only 24V	Normal operation.	
	Short	only 24V	No Hazard.	AVR1:0
ZD503	Open	except 24V	Normal operation.	
	Short	except 24V	No Hazard.	AVR1:0
R105	Open		Normal operation.	
R106	Open		Normal operation.	
R107	Open		Normal operation.	
R108	Open		Normal operation.	
R109	Open		Normal operation.	
R111	Open		Normal operation.	
R113	Open		No Hazard.	AVR1:0
R114	Open		See 9 Page.	
R115	Open		No Hazard.	AVR1:0
R116	Open		No Hazard.	AVR1:0
R121	Open		Normal operation.	
R122	Open		Normal operation.	
R123	Open		Normal operation.	
R501	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage (V)
R502	Open		Normal operation.	
R503	Open		Output voltage decreased. No hazard.	AVR1:decreased
R504	Open		Normal operation.	
R505	Open		Output voltage decreased. No hazard.	AVR1:decreased
R506	Open		No Hazard.	AVR1:0
R507	Open		Output voltage decreased. No hazard.	AVR1:decreased
R508	Open	except 24V	No Hazard.	AVR1:0
R509	Open		Output voltage decreased. No hazard.	AVR1:decreased
R517	Open		Normal operation.	
R519	Open		Normal operation.	
R521	Open		Normal operation.	
R522	Open		Normal operation.	
R523	Open		Normal operation.	
R524	Open		Normal operation.	
R525	Open		Normal operation.	
R526	Open	except 5V	Normal operation.	
R529	Open		Output voltage decreased. No hazard.	AVR1:decreased

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C102	Open		F101 opened, No hazard	AVR1:0
C109	Open		Normal operation.	
D101	Short		No Hazard.	AVR1:0
D103	Short		No Hazard.	AVR1:0
D502	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
D503	Open		Normal operation.	
	Short		No Hazard.	AVR1:0
IC101	Open	1 (CNT)	No Hazard.	AVR1:0
		2 (S)	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
T101	Open	1or2	Normal operation.	
		3or4	Normal operation.	
		5	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
	Short	1or2-3or4	No Hazard.	AVR1:0
		5-7	No Hazard.	AVR1:0
		7-8	F101 opened, No hazard	AVR1:0
		8-9	No Hazard.	AVR1:0



ABNORMAL TEST RESULT

Component	Mode	Comment	Output Voltage (V)
R114	Open	Normal operation.	