

ABNORMAL TEST RESULT

OF MODEL PLA600F

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 : 2/31 ~ 29/31)

(Abnormal Test Result: 30/31 ~ 31/31)

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
C105	Open	No Hazard.	AVR1:0
	Short	R180 opened, No hazard.	AVR1:0
C107	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C109	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C110	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C111	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C112	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C113	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C115	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C116	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C117	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C119	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C120	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C121	Open	No Hazard.	AVR1:0
	Short	R180 opened, No hazard.	AVR1:0
C164	Open	Normal operation.	AVR1:**
	Short	See 30 Page.	
C165	Open	Normal operation.	AVR1:**
	Short	See 30 Page.	
C180	Open	Normal operation.	AVR1:**
	Short	R180 opened, No hazard.	AVR1:0
C181	Open	R180 opened, No hazard.	AVR1:0
	Short	Normal operation.	AVR1:**
C201	Open	Normal operation.	AVR1:**
	Short	See 30 Page.	
C202	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C203	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
C204	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C205	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C207	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C214	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C250	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C251	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C270	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
C271	Open	Normal operation.	AVR1:*
	Short	See 30 Page.	
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	Normal operation.	AVR1:**
C504	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C505	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C506	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C507	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C508	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
C510	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C511	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C512	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C513	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C514	Open	Normal operation.	AVR1:**
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C522	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**

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Component	Mode		Comment	Output Voltage (V)
C523	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C601	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C605	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C606	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C702	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
C703	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C704	Open		Normal operation.	AVR1:*
	Short		See 30 Page.	
C801	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C802	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
C803	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
CN701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
CN1	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
CN1	Open	3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		1-3	Normal operation.	AVR1:*
		2-4	Normal operation.	AVR1:*
		3-5	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
		5-6	Normal operation.	AVR1:*
		5-7	Normal operation.	AVR1:*
		7-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
CN801	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*

F M E A

Component	Mode		Comment	Output Voltage (V)
CN801	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
D101	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D102	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D103	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D104	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D105	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D106	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D107	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D108	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D160	Open		Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
D160	Short	Normal operation.	AVR1:*
D180	Open	R180 opened, No hazard.	AVR1:0
	Short	R180 opened, No hazard.	AVR1:0
D181	Open	R180 opened, No hazard.	AVR1:0
	Short	R180 opened, No hazard.	AVR1:0
D201	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	See 30 Page.	
D202	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
D203	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
D205	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D206	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D207	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D208	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D250	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D251	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D270	Open	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
D270	Short		See 30 Page.	
D701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D702	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D703	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
FAN701	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
IC101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	F101 opened, No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	F101 opened, No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC601	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
IC701	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC701	Short	2-3	Normal operation.	AVR1:*
		1-3	Normal operation.	AVR1:*
J201	Open		No Hazard.	AVR1:0
J601	Open		No Hazard.	AVR1:0
J602	Open		No Hazard.	AVR1:0
J603	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	R180 opened, No hazard.	AVR1:0
		3	R180 opened, No hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		8, 9	No Hazard.	AVR1:0
		11, 12	No Hazard.	AVR1:0
	Short	3-4	R180 opened, No hazard.	AVR1:0
L104	Open		See 30 Page.	
	Short		Normal operation.	AVR1:*
L105	Open		See 30 Page.	
	Short		Normal operation.	AVR1:*
L106	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L107	Open		Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
L107	Short		Normal operation.	AVR1:**
L507	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:**
		4	Normal operation.	AVR1:**
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
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	No Hazard.	AVR1:0
PC202	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**
		C-E	No Hazard.	AVR1:0
PC203	Open	A, K	No Hazard.	AVR1:0
		C, E	No Hazard.	AVR1:0
	Short	A-K	No Hazard.	AVR1:0
		C-E	Normal operation.	AVR1:**
PC801	Open	A, K	Normal operation.	AVR1:**
		C, E	Normal operation.	AVR1:**
	Short	A-K	Normal operation.	AVR1:**

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Component	Mode		Comment	Output Voltage (V)
PC801	Short	C-E	Normal operation.	AVR1:*
SCR101	Open	T1	R180 opened, No hazard.	AVR1:0
		T2	R180 opened, No hazard.	AVR1:0
		G	R180 opened, No hazard.	AVR1:0
	Short	T1-T2	Normal operation.	AVR1:*
		T1-G	R180 opened, No hazard.	AVR1:0
		T2-G	R180 opened, No hazard.	AVR1:0
SS101	Open		No Hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
SS102	Open		See 30 Page.	
	Short		No Hazard.	AVR1:0
SS501	Open	Cathod	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
	Short	Cathod	No Hazard.	AVR1:*
		Alternative	No Hazard.	AVR1:*
SS502	Open	Cathod	See 30 Page.	
		Alternative	See 30 Page.	
	Short	Cathod	No Hazard.	AVR1:*
		Alternative	No Hazard.	AVR1:*
SS503	Open	Cathod	See 30 Page.	
		Alternative	See 30 Page.	
	Short	Cathod	No Hazard.	AVR1:*
		Alternative	No Hazard.	AVR1:*
T201	Open	1	See 30 Page.	

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Component	Mode		Comment	Output Voltage (V)
T201	Open	2	See 30 Page.	
		4	No Hazard.	AVR1:*
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
	Short	1-2	See 30 Page.	
		4-5	See 30 Page.	
		5-6	See 30 Page.	
		9-10	See 30 Page.	
T202	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
	Short	2011/01/02	Normal operation.	AVR1:*
		2011/03/04	Normal operation.	AVR1:*
TR101	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR105	Short	E-B	Normal operation.	AVR1:**
		B-C	R180 opened, No hazard.	AVR1:0
TR106	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	Normal operation.	AVR1:**
		S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR107	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:**
		B-C	No Hazard.	AVR1:0
TR108	Open	C	Normal operation.	AVR1:**
		E	Normal operation.	AVR1:**
		B	Normal operation.	AVR1:**
	Short	C-E	Normal operation.	AVR1:**
		E-B	Normal operation.	AVR1:**
		B-C	Normal operation.	AVR1:**
TR201	Open	D	See 31 Page.	
		S	See 31 Page.	
		G	See 31 Page.	
	Short	D-S	See 31 Page.	

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Component	Mode		Comment	Output Voltage (V)
TR201	Short	S-G	See 31 Page.	
		G-D	See 31 Page.	
TR203	Open	C	Normal operation.	AVR1:*
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	F101 opened, No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR204	Open	C	F101 opened, No hazard.	AVR1:0
		E	F101 opened, No hazard.	AVR1:0
		B	F101 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR205	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR207	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR201	Short	S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:*
TR203	Open	C	Normal operation.	AVR1:*
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	F101 opened, No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR204	Open	C	F101 opened, No hazard.	AVR1:0
		E	F101 opened, No hazard.	AVR1:0
		B	F101 opened, No hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	F101 opened, No hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR205	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR207	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR207	Short	S-G	Normal operation.	AVR1:**
		G-D	Normal operation.	AVR1:**
TR208	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:**
		G-D	No Hazard.	AVR1:0
TR209	Open	D	Normal operation.	AVR1:**
		S	Normal operation.	AVR1:**
		G	Normal operation.	AVR1:**
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:**
		G-D	No Hazard.	AVR1:0
VR201	Open	brush	Output voltage decreased. No hazard.	AVR1:出力低下
			Output voltage decreased. No hazard.	AVR1:出力低下
	Short		Normal operation.	AVR1:**
VR601	Open	brush	Output voltage decreased. No hazard.	AVR1:出力低下
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
ZD101	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0
ZD102	Open		Normal operation.	AVR1:**
	Short		No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
ZD103	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD104	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD201	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
ZD501	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
ZD502	Open	Normal operation.	AVR1:**
	Short	No Hazard.	AVR1:0
ZD801	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
ZD802	Open	Normal operation.	AVR1:**
	Short	Normal operation.	AVR1:**
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	Normal operation.	AVR1:**
R107	Open	Normal operation.	AVR1:**
R108	Open	No Hazard.	AVR1:0
R109	Open	No Hazard.	AVR1:0
R110	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R111	Open	No Hazard.	AVR1:0
R112	Open	No Hazard.	AVR1:0
R113	Open	Normal operation.	AVR1:**
R114	Open	Normal operation.	AVR1:**
R115	Open	Normal operation.	AVR1:**
R116	Open	Normal operation.	AVR1:**
R117	Open	Normal operation.	AVR1:**
R118	Open	Normal operation.	AVR1:**
R119	Open	Normal operation.	AVR1:**
R120	Open	Normal operation.	AVR1:**
R121	Open	Normal operation.	AVR1:**
R122	Open	No Hazard.	AVR1:0
R123	Open	Normal operation.	AVR1:**
R124	Open	Normal operation.	AVR1:**
R125	Open	Normal operation.	AVR1:**
R126	Open	Normal operation.	AVR1:**
R127	Open	Normal operation.	AVR1:**
R128	Open	Normal operation.	AVR1:**
R129	Open	Normal operation.	AVR1:**
R130	Open	Normal operation.	AVR1:**
R132	Open	No Hazard.	AVR1:0
R133	Open	No Hazard.	AVR1:0
R134	Open	Normal operation.	AVR1:**
R135	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R136	Open	No Hazard.	AVR1:0
R137	Open	Normal operation.	AVR1:*
R138	Open	Normal operation.	AVR1:*
R139	Open	Normal operation.	AVR1:*
R140	Open	Normal operation.	AVR1:*
R141	Open	Normal operation.	AVR1:*
R142	Open	Normal operation.	AVR1:*
R143	Open	Normal operation.	AVR1:*
R144	Open	See 31 Page.	
R145	Open	See 31 Page.	
R146	Open	See 31 Page.	
R147	Open	See 31 Page.	
R148	Open	Normal operation.	AVR1:*
R149	Open	No Hazard.	AVR1:0
R150	Open	No Hazard.	AVR1:0
R151	Open	No Hazard.	AVR1:0
R152	Open	No Hazard.	AVR1:0
R153	Open	No Hazard.	AVR1:0
R154	Open	No Hazard.	AVR1:0
R155	Open	Normal operation.	AVR1:*
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*
R164	Open	Normal operation.	AVR1:*
R165	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R166	Open	Normal operation.	AVR1:**
R167	Open	Normal operation.	AVR1:**
R168	Open	Normal operation.	AVR1:**
R169	Open	Normal operation.	AVR1:**
R170	Open	Normal operation.	AVR1:**
R180	Open	Normal operation.	AVR1:**
R181	Open	Normal operation.	AVR1:**
R182	Open	Normal operation.	AVR1:**
R183	Open	Normal operation.	AVR1:**
R184	Open	Normal operation.	AVR1:**
R185	Open	Normal operation.	AVR1:**
R186	Open	Normal operation.	AVR1:**
R201	Open	Normal operation.	AVR1:**
R202	Open	Normal operation.	AVR1:**
R203	Open	Normal operation.	AVR1:**
R204	Open	Normal operation.	AVR1:**
R205	Open	Normal operation.	AVR1:**
R206	Open	Normal operation.	AVR1:**
R207	Open	Normal operation.	AVR1:**
R208	Open	Normal operation.	AVR1:**
R209	Open	Normal operation.	AVR1:**
R210	Open	Normal operation.	AVR1:**
R211	Open	Normal operation.	AVR1:**
R212	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R213	Open	Normal operation.	AVR1:*
R214	Open	Normal operation.	AVR1:*
R215	Open	Normal operation.	AVR1:*
R220	Open	No Hazard.	AVR1:0
R221	Open	No Hazard.	AVR1:0
R222	Open	Normal operation.	AVR1:*
R223	Open	Normal operation.	AVR1:*
R224	Open	Normal operation.	AVR1:*
R226	Open	Output voltage decreased. No hazard.	AVR1:decreased
R227	Open	Normal operation.	AVR1:*
R228	Open	Normal operation.	AVR1:*
R229	Open	Normal operation.	AVR1:*
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	No Hazard.	AVR1:0
R236	Open	Normal operation.	AVR1:*
R237	Open	Normal operation.	AVR1:*
R239	Open	Normal operation.	AVR1:*
R240	Open	No Hazard.	AVR1:0
R241	Open	No Hazard.	AVR1:0
R250	Open	Normal operation.	AVR1:*

F M E A

Component	Mode	Comment	Output Voltage (V)
R251	Open	Normal operation.	AVR1:**
R270	Open	Normal operation.	AVR1:**
R271	Open	Normal operation.	AVR1:**
R272	Open	Normal operation.	AVR1:**
R274	Open	Normal operation.	AVR1:**
R275	Open	Normal operation.	AVR1:**
R276	Open	Normal operation.	AVR1:**
R277	Open	Normal operation.	AVR1:**
R278	Open	Normal operation.	AVR1:**
R279	Open	Normal operation.	AVR1:**
R280	Open	Normal operation.	AVR1:**
R281	Open	Normal operation.	AVR1:**
R501	Open	Normal operation.	AVR1:**
R502	Open	Normal operation.	AVR1:**
R503	Open	Normal operation.	AVR1:**
R504	Open	Normal operation.	AVR1:**
R505	Open	Normal operation.	AVR1:**
R506	Open	Normal operation.	AVR1:**
R507	Open	Normal operation.	AVR1:**
R508	Open	Normal operation.	AVR1:**
R509	Open	Normal operation.	AVR1:**
R510	Open	Normal operation.	AVR1:**
R511	Open	Normal operation.	AVR1:**
R512	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R513	Open	Normal operation.	AVR1:**
R514	Open	Normal operation.	AVR1:**
R515	Open	Normal operation.	AVR1:**
R516	Open	Normal operation.	AVR1:**
R517	Open	Normal operation.	AVR1:**
R518	Open	Normal operation.	AVR1:**
R519	Open	Normal operation.	AVR1:**
R520	Open	Normal operation.	AVR1:**
R521	Open	Normal operation.	AVR1:**
R522	Open	Normal operation.	AVR1:**
R523	Open	Normal operation.	AVR1:**
R524	Open	Normal operation.	AVR1:**
R525	Open	Normal operation.	AVR1:**
R526	Open	Normal operation.	AVR1:**
R527	Open	Normal operation.	AVR1:**
R528	Open	Normal operation.	AVR1:**
R529	Open	Normal operation.	AVR1:**
R530	Open	Normal operation.	AVR1:**
R531	Open	Normal operation.	AVR1:**
R532	Open	Normal operation.	AVR1:**
R533	Open	Normal operation.	AVR1:**
R534	Open	Normal operation.	AVR1:**
R535	Open	Normal operation.	AVR1:**
R536	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R537	Open	Normal operation.	AVR1:**
R538	Open	Normal operation.	AVR1:**
R539	Open	Normal operation.	AVR1:**
R540	Open	Normal operation.	AVR1:**
R541	Open	Normal operation.	AVR1:**
R542	Open	Normal operation.	AVR1:**
R543	Open	Normal operation.	AVR1:**
R544	Open	Normal operation.	AVR1:**
R550	Open	Normal operation.	AVR1:**
R551	Open	Normal operation.	AVR1:**
R552	Open	Normal operation.	AVR1:**
R553	Open	Normal operation.	AVR1:**
R554	Open	Normal operation.	AVR1:**
R555	Open	Normal operation.	AVR1:**
R556	Open	Normal operation.	AVR1:**
R557	Open	Normal operation.	AVR1:**
R558	Open	Normal operation.	AVR1:**
R559	Open	Normal operation.	AVR1:**
R560	Open	Normal operation.	AVR1:**
R561	Open	Normal operation.	AVR1:**
R562	Open	Normal operation.	AVR1:**
R563	Open	Normal operation.	AVR1:**
R564	Open	Normal operation.	AVR1:**
R565	Open	Normal operation.	AVR1:**

F M E A

Component	Mode	Comment	Output Voltage (V)
R566	Open	Normal operation.	AVR1:*
R567	Open	Normal operation.	AVR1:*
R568	Open	Normal operation.	AVR1:*
R569	Open	Normal operation.	AVR1:*
R570	Open	Normal operation.	AVR1:*
R571	Open	Normal operation.	AVR1:*
R572	Open	Normal operation.	AVR1:*
R573	Open	Normal operation.	AVR1:*
R574	Open	Normal operation.	AVR1:*
R575	Open	Normal operation.	AVR1:*
R576	Open	Normal operation.	AVR1:*
R577	Open	Normal operation.	AVR1:*
R580	Open	Normal operation.	AVR1:*
R581	Open	Normal operation.	AVR1:*
R582	Open	Normal operation.	AVR1:*
R583	Open	Normal operation.	AVR1:*
R601	Open	No Hazard.	AVR1:0
R602	Open	Output voltage decreased. No hazard.	AVR1:decreased
R603	Open	Output voltage decreased. No hazard.	AVR1:decreased
R604	Open	Output voltage decreased. No hazard.	AVR1:decreased
R605	Open	Output voltage decreased. No hazard.	AVR1:decreased
R606	Open	No Hazard.	AVR1:0
R607	Open	No Hazard.	AVR1:0
R608	Open	No Hazard.	AVR1:0

F M E A

Component	Mode	Comment	Output Voltage (V)
R609	Open	No Hazard.	AVR1:0
R703	Open	Normal operation.	AVR1:*
R704	Open	Normal operation.	AVR1:*
R705	Open	Normal operation.	AVR1:*
R706	Open	Normal operation.	AVR1:*
R801	Open	No Hazard.	AVR1:0
R802	Open	No Hazard.	AVR1:0
R803	Open	Normal operation.	AVR1:*
R804	Open	Normal operation.	AVR1:*
R805	Open	Normal operation.	AVR1:*
R806	Open	No Hazard.	AVR1:0
R807	Open	No Hazard.	AVR1:0
R808	Open	Normal operation.	AVR1:*
R809	Open	Normal operation.	AVR1:*
R810	Open	Normal operation.	AVR1:*
R811	Open	Normal operation.	AVR1:*
R812	Open	No Hazard.	AVR1:0
R813	Open	No Hazard.	AVR1:0
R814	Open	Normal operation.	AVR1:*

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C164	Short		Normal operation.	AVR1:*
C165	Short		Normal operation.	AVR1:*
C201	Short		No Hazard.	AVR1:0
C250	Short		Normal operation.	AVR1:*
C251	Short		Normal operation.	AVR1:*
C270	Short		Normal operation.	AVR1:*
C271	Short		Normal operation.	AVR1:*
C704	Short		Normal operation.	AVR1:*
D201	Short		No Hazard.	AVR1:0
D270	Short		Normal operation.	AVR1:*
L104	Open		F101 opened, No hazard.	AVR1:0
L105	Open		F101 opened, No hazard.	AVR1:0
SS102	Open		F101 opened, No hazard.	AVR1:0
SS502	Open	Cathod	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
SS503	Open	Cathod	No Hazard.	AVR1:0
		Alternative	No Hazard.	AVR1:0
T201	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		4-5	F101 opened, No hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
TR102	Open	D	R180 opened, No hazard.	AVR1:0

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR102	Open	S	R180 opened, No hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	R180 opened, No hazard.	AVR1:0
		G-D	F101 opened, No hazard.	AVR1:0
TR103	Open	D	R180 opened, No hazard.	AVR1:0
		S	R180 opened, No hazard.	AVR1:0
		G	F101 opened, No hazard.	AVR1:0
	Short	D-S	F101 opened, No hazard.	AVR1:0
		S-G	R180 opened, 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	R180 opened, No hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	R180 opened, No hazard.	AVR1:0
R144	Open		F101 opened, No hazard.	AVR1:0
R145	Open		F101 opened, No hazard.	AVR1:0
R146	Open		F101 opened, No hazard.	AVR1:0
R147	Open		F101 opened, No hazard.	AVR1:0