COSEL

ABNORMAL TEST RESULT

OF MODEL KHEA480F/KHNA480F

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　　　　　　　　:　2/42 ～ 40/42)
　　　(Abnormal Test Result: 41/42 ～ 42/42)

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.

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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	Normal operation.	AVR1:*
	Short	F101 opened, No hazard.	AVR1:0
C106	Open	See 41 Page.	
	Short	F101 opened, No hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	See 41 Page.	
C112	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C114	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C151	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C152	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C155	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C171	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C181	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C182	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C183	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C184	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C203	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C204	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C208	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C209	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C210	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C211	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C212	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C213	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C214	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C215	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C230	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C241	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C242	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C243	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C244	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C245	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C301	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C302	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C304	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C305	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C306	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C307	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C308	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C320	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C321	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C323	Open	See 41 Page.	
	Short	See 41 Page.	
C324	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
C325	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C326	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C401	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C402	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
C410	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C411	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C412	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C413 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C414	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C415 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C418	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C419	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C420	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C421	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C422	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C430	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C440	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C451	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C452	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C453	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C454	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C455	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C456	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C457	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C461	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C462	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C463	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C471	Open	See 41 Page.	
	Short	See 41 Page.	

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Component	Mode	Comment	Output Voltage (V)
C472	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C473	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C474	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	No Hazard.	AVR1:0
C501	Open	See 41 Page.	
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C504	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C530	Open	Normal operation.	AVR1:*
	Short	See 41 Page.	
C533	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C541	Open	Normal operation.	AVR1:*
	Short	See 41 Page.	
C542	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C544	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C545	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C546	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C547	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C548	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C549	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C551	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C552　(Only -24)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C553　(Only -48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C556　(Only -24)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C557　(Only -24)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C558　(Only -48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C601	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C602	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C603　(Only -24)	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode	Comment	Output Voltage (V)
C604	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C621	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C622	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C623	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C624　(Only KHEA)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D101	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D102	Open	See　41 Page.	
	Short	Normal operation.	AVR1:*
D103	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
D104	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
D105	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
D152	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D153	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
D171	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D181	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D241	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D242	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
D301	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D320	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D321	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D322	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D401	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D402	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D430	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D431	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
D441	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D451	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D452	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D453	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D454	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D455	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D530	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
D551	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D552	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D553	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
IC101	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC101	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	See 41 Page.	
		12	No Hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	Normal operation.	AVR1:*
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	No Hazard.	AVR1:0
		18	Normal operation.	AVR1:*
		19	No Hazard.	AVR1:0
		20	No Hazard.	AVR1:0
		21	Normal operation.	AVR1:*
		22	Normal operation.	AVR1:*
		23	Normal operation.	AVR1:*
		24	No Hazard.	AVR1:0
		25	Normal operation.	AVR1:*
		26	No Hazard.	AVR1:0
		27	No Hazard.	AVR1:0
		28	See 41 Page.	

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Component	Mode		Comment	Output Voltage (V)
IC101	Open	29	Normal operation.	AVR1:*
		30	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
		8-9	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	No Hazard.	AVR1:0
		11-12	No Hazard.	AVR1:0
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*
		14-15	Normal operation.	AVR1:*
		16-17	No Hazard.	AVR1:0
		17-18	No Hazard.	AVR1:0
		18-19	See 41 Page.	
		19-20	See 41 Page.	
		20-21	Normal operation.	AVR1:*
		21-22	No Hazard.	AVR1:0
		22-23	Normal operation.	AVR1:*
		23-24	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
IC101	Short	24-25	No Hazard.	AVR1:0
		25-26	No Hazard.	AVR1:0
		26-27	No Hazard.	AVR1:0
		27-28	No Hazard.	AVR1:0
		28-29	Normal operation.	AVR1:*
		29-30	Normal operation.	AVR1:*
IC152	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
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC181	Open	1	No Hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		4-5	No Hazard.	AVR1:0
IC182	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC182	Open	3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC241	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
IC301	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC302	Open	1	Normal operation.	
		2	Normal operation.	

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Component	Mode		Comment	Output Voltage (V)
IC302	Open	3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	No Hazard.	
		4-5	No Hazard.	
IC401	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	Normal operation.	AVR1:*
		10	See 41 Page.	
		11	No Hazard.	AVR1:0
		12	Normal operation.	AVR1:*
		13	Normal operation.	AVR1:*
		14	No Hazard.	AVR1:0
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
		17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC401	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
		10-11	No Hazard.	AVR1:0
		11-12	Normal operation.	AVR1:*
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*
		14-15	No Hazard.	AVR1:0
		15-16	No Hazard.	AVR1:0
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
IC501	Open	1	Normal operation.	AVR1:*
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
IC501	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC502	Open	1	Normal operation.	AVR1:*
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage decreased. No hazard.	AVR1:decreased
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Output voltage decreased. No hazard.	AVR1:decreased
IC503	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

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Component	Mode		Comment	Output Voltage (V)
IC503	Open	5	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	Normal operation.	AVR1:*
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Output voltage decreased. No hazard.	AVR1:decreased
IC601	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	Normal operation.	AVR1:*
L101	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L103	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
L104	Open		Normal operation.	AVR1:*
	Short		F101 opened, No hazard.	AVR1:0
L106	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
L107	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
L151	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
L501	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
LED601	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
LED602	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC401	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	Output voltage decreased. No hazard.	AVR1:decreased
PC402	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
PC601	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC602 (Only KHEA)	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC701	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
PC701	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PTH201	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
PTH601	Open		No Hazard.	AVR1:0
	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		Normal operation.	AVR1:*
R109	Open		Normal operation.	AVR1:*
R110	Open		Normal operation.	AVR1:*
R111	Open		Normal operation.	AVR1:*
R112	Open		Normal operation.	AVR1:*
R150	Open		Normal operation.	AVR1:*
R151	Open		Normal operation.	AVR1:*
R152	Open		Normal operation.	AVR1:*
R153	Open		Normal operation.	AVR1:*
R154	Open		Normal operation.	AVR1:*
R155	Open		Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R156	Open	Normal operation.	AVR1:*
R157	Open	No Hazard.	AVR1:0
R158	Open	Normal operation.	AVR1:*
R159	Open	No Hazard.	AVR1:0
R160	Open	No Hazard.	AVR1:0
R163	Open	No Hazard.	AVR1:0
R164	Open	Normal operation.	AVR1:*
R171	Open	Normal operation.	AVR1:*
R172	Open	Normal operation.	AVR1:*
R173	Open	No Hazard.	AVR1:0
R174	Open	Normal operation.	AVR1:*
R175	Open	Normal operation.	AVR1:*
R176	Open	Normal operation.	AVR1:*
R177	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:*
R187	Open	No Hazard.	AVR1:0
R188	Open	Normal operation.	AVR1:*
R189	Open	Normal operation.	AVR1:*
R191	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R201	Open	No Hazard.	AVR1:0
R202	Open	No Hazard.	AVR1:0
R203	Open	No Hazard.	AVR1:0
R204	Open	No Hazard.	AVR1:0
R205	Open	Normal operation.	AVR1:*
R211	Open	Output voltage decreased. No hazard.	AVR1:decreased
R212	Open	Output voltage decreased. No hazard.	AVR1:decreased
R213	Open	Output voltage decreased. No hazard.	AVR1:decreased
R214	Open	Output voltage decreased. No hazard.	AVR1:decreased
R215	Open	Normal operation.	AVR1:*
R220	Open	No Hazard.	AVR1:0
R222	Open	No Hazard.	AVR1:0
R223	Open	Normal operation.	AVR1:*
R224	Open	Normal operation.	AVR1:*
R225	Open	Normal operation.	AVR1:*
R226	Open	Normal operation.	AVR1:*
R227	Open	Normal operation.	AVR1:*
R228	Open	No Hazard.	AVR1:0
R230	Open	No Hazard.	AVR1:0
R231	Open	No Hazard.	AVR1:0
R232	Open	No Hazard.	AVR1:0
R233	Open	No Hazard.	AVR1:0
R234	Open	No Hazard.	AVR1:0
R238	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R242	Open	Output voltage decreased. No hazard.	AVR1:decreased
R243	Open	Output voltage decreased. No hazard.	AVR1:decreased
R244	Open	Output voltage decreased. No hazard.	AVR1:decreased
R245	Open	Normal operation.	AVR1:*
R246	Open	Output voltage decreased. No hazard.	AVR1:decreased
R301	Open	Normal operation.	AVR1:*
R302	Open	Normal operation.	AVR1:*
R303	Open	Normal operation.	AVR1:*
R304	Open	Normal operation.	AVR1:*
R305	Open	Normal operation.	AVR1:*
R306	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R308	Open	Normal operation.	AVR1:*
R309	Open	No Hazard.	AVR1:0
R310	Open	No Hazard.	AVR1:0
R311	Open	No Hazard.	AVR1:0
R312	Open	No Hazard.	AVR1:0
R313	Open	No Hazard.	AVR1:0
R314	Open	Output voltage decreased. No hazard.	AVR1:decreased
R315	Open	No Hazard.	AVR1:0
R316	Open	Normal operation.	AVR1:*
R317	Open	Normal operation.	AVR1:*
R318	Open	Normal operation.	AVR1:*
R319	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R321	Open	Normal operation.	AVR1:*
R322	Open	Normal operation.	AVR1:*
R324	Open	Normal operation.	AVR1:*
R325	Open	No Hazard.	AVR1:0
R326	Open	No Hazard.	AVR1:0
R327	Open	Normal operation.	AVR1:*
R328	Open	Normal operation.	AVR1:*
R329	Open	No Hazard.	AVR1:0
R330	Open	No Hazard.	AVR1:0
R331	Open	No Hazard.	AVR1:0
R332	Open	No Hazard.	AVR1:0
R333	Open	Normal operation.	AVR1:*
R334	Open	Normal operation.	AVR1:*
R401	Open	Normal operation.	AVR1:*
R402	Open	Normal operation.	AVR1:*
R403	Open	Normal operation.	AVR1:*
R413	Open	Output voltage decreased. No hazard.	AVR1:decreased
R414	Open	Normal operation.	AVR1:*
R421	Open	No Hazard.	AVR1:0
R422	Open	No Hazard.	AVR1:0
R423	Open	Normal operation.	AVR1:*
R424	Open	Normal operation.	AVR1:*
R425	Open	Normal operation.	AVR1:*
R426	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R431	Open	No Hazard.	AVR1:0
R432	Open	Normal operation.	AVR1:*
R433	Open	No Hazard.	AVR1:0
R434	Open	No Hazard.	AVR1:0
R435	Open	Normal operation.	AVR1:*
R436	Open	Normal operation.	AVR1:*
R441	Open	No Hazard.	AVR1:0
R442	Open	Normal operation.	AVR1:*
R443	Open	No Hazard.	AVR1:0
R444	Open	No Hazard.	AVR1:0
R450	Open	Normal operation.	AVR1:*
R451	Open	Normal operation.	AVR1:*
R452	Open	Normal operation.	AVR1:*
R453	Open	Normal operation.	AVR1:*
R454	Open	Normal operation.	AVR1:*
R455	Open	Normal operation.	AVR1:*
R456	Open	Normal operation.	AVR1:*
R457	Open	Normal operation.	AVR1:*
R458	Open	Normal operation.	AVR1:*
R459	Open	Normal operation.	AVR1:*
R463	Open	Normal operation.	AVR1:*
R501	Open	Output voltage decreased. No hazard.	AVR1:decreased
R502	Open	Normal operation.	AVR1:*
R503	Open	Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
R504	Open	Normal operation.	AVR1:*
R505	Open	Output voltage decreased. No hazard.	AVR1:decreased
R506	Open	Normal operation.	AVR1:*
R507	Open	Output voltage decreased. No hazard.	AVR1:decreased
R508	Open	Normal operation.	AVR1:*
R509	Open	Normal operation.	AVR1:*
R510	Open	Normal operation.	AVR1:*
R511	Open	Output voltage decreased. No hazard.	AVR1:decreased
R512	Open	Normal operation.	AVR1:*
R538	Open	Normal operation.	AVR1:*
R541	Open	Normal operation.	AVR1:*
R542	Open	Normal operation.	AVR1:*
R543	Open	Normal operation.	AVR1:*
R550 (Only -24)	Open	Normal operation.	AVR1:*
R551	Open	Output voltage decreased. No hazard.	AVR1:decreased
R552	Open	Normal operation.	AVR1:*
R553	Open	Output voltage decreased. No hazard.	AVR1:decreased
R554	Open	Normal operation.	AVR1:*
R555	Open	Output voltage decreased. No hazard.	AVR1:decreased
R556	Open	Output voltage decreased. No hazard.	AVR1:decreased
R557	Open	Output voltage decreased. No hazard.	AVR1:decreased
R558	Open	Output voltage decreased. No hazard.	AVR1:decreased
R559	Open	Output voltage decreased. No hazard.	AVR1:decreased
R560	Open	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode	Comment	Output Voltage (V)
R561	Open	Normal operation.	AVR1:*
R562 (Only -24)	Open	Normal operation.	AVR1:*
R563	Open	Output voltage decreased. No hazard.	AVR1:decreased
R564	Open	Normal operation.	AVR1:*
R601	Open	Normal operation.	AVR1:*
R602	Open	Normal operation.	AVR1:*
R603	Open	Normal operation.	AVR1:*
R604	Open	Normal operation.	AVR1:*
R605	Open	Output voltage decreased. No hazard.	AVR1:decreased
R606	Open	Normal operation.	AVR1:*
R607	Open	Normal operation.	AVR1:*
R608	Open	Output voltage decreased. No hazard.	AVR1:decreased
R609	Open	Output voltage decreased. No hazard.	AVR1:decreased
R610	Open	Normal operation.	AVR1:*
R611	Open	Normal operation.	AVR1:*
R612 (Only -24)	Open	Output voltage decreased. No hazard.	AVR1:decreased
R621	Open	Normal operation.	AVR1:*
R622	Open	Normal operation.	AVR1:*
R624	Open	Normal operation.	AVR1:*
R626	Open	Normal operation.	AVR1:*
R627	Open	Normal operation.	AVR1:*
R628	Open	Normal operation.	AVR1:*
R629	Open	Normal operation.	AVR1:*
R630	Open	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
R631	Open		Normal operation.	AVR1:*
R632	Open		Normal operation.	AVR1:*
R633	Open		Normal operation.	AVR1:*
R701	Open		Normal operation.	AVR1:*
R702	Open		Normal operation.	AVR1:*
R703	Open		Normal operation.	AVR1:*
R704	Open		Normal operation.	AVR1:*
SS101	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		See 41 Page.	
SS102	Open		F101 opened, No hazard.	AVR1:0
	Short		F101 opened, No hazard.	AVR1:0
T301	Open	2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		5	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	No Hazard.	AVR1:0
		9	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		5-7	F101 opened, No hazard.	AVR1:0
		8-9	No Hazard.	AVR1:0
T401	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
T401	Open	5	Output voltage decreased. No hazard.	AVR1:decreased
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Output voltage decreased. No hazard.	AVR1:decreased
		8	Output voltage decreased. No hazard.	AVR1:decreased
	Short	1-2	F101 opened, No hazard.	AVR1:0
		2-3	F101 opened, No hazard.	AVR1:0
		3-4	F101 opened, No hazard.	AVR1:0
		5-6	F101 opened, No hazard.	AVR1:0
		6-7	F101 opened, No hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
TR101	Open	D	See 41 Page.	
		S	See 41 Page.	
		G	See 41 Page.	
	Short	D-S	See 41 Page.	
		S-G	See 41 Page.	
		G-D	See 41 Page.	
TR151	Open	S(1)	F101 opened, No hazard.	AVR1:0
		G(2)	F101 opened, No hazard.	AVR1:0
		D(3)	No Hazard.	AVR1:0
		S(4)	No Hazard.	AVR1:0
		G(5)	No Hazard.	AVR1:0
		D(6)	F101 opened, No hazard.	AVR1:0
	Short	S-G(1-2)	F101 opened, No hazard.	AVR1:0
		G-D(2-3)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR151	Short	S-G(4-5)	No Hazard.	AVR1:0
		G-D(5-6)	No Hazard.	AVR1:0
TR171	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	No Hazard.	AVR1:0
TR172	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	No Hazard.	AVR1:0
TR181	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
TR182	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)
TR182	Short	S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR201	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Output voltage decreased. No hazard.	AVR1:decreased
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR241	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR301	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
TR302	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR302	Short	E-B	No hazard.	AVR1:0
		B-C	No hazard.	AVR1:0
TR303	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
TR304	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
TR320	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR321	Open	S(1)	No Hazard.	AVR1:0
		G(2)	No Hazard.	AVR1:0
		D(3)	No Hazard.	AVR1:0
		S(4)	No Hazard.	AVR1:0

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Component	Mode		Comment	Output Voltage (V)
TR321	Open	G(5)	No Hazard.	AVR1:0
		D(6)	No Hazard.	AVR1:0
	Short	S-G(1-2)	No Hazard.	AVR1:0
		G-D(2-3)	No Hazard.	AVR1:0
		S-G(4-5)	No Hazard.	AVR1:0
		G-D(5-6)	No Hazard.	AVR1:0
TR401	Open	D	See 41 Page.	
		S	See 41 Page.	
		G	See 42 Page.	
	Short	D-S	See 42 Page.	
		S-G	See 42 Page.	
		G-D	See 42 Page.	
TR402	Open	D	See 42 Page.	
		S	See 42 Page.	
		G	See 42 Page.	
	Short	D-S	See 42 Page.	
		S-G	See 42 Page.	
		G-D	See 42 Page.	
TR410	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

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Component	Mode		Comment	Output Voltage (V)
TR430	Open	B(1)	No Hazard.	AVR1:0
		E(2)	No Hazard.	AVR1:0
		B(3)	No Hazard.	AVR1:0
		C(4)	No Hazard.	AVR1:0
		C(5)	No Hazard.	AVR1:0
	Short	B-E(1-2)	No Hazard.	AVR1:0
		E-B(2-3)	No Hazard.	AVR1:0
		C-C(4-5)	No Hazard.	AVR1:0
TR440	Open	B(1)	No Hazard.	AVR1:0
		E(2)	No Hazard.	AVR1:0
		B(3)	No Hazard.	AVR1:0
		C(4)	No Hazard.	AVR1:0
		C(5)	No Hazard.	AVR1:0
	Short	B-E(1-2)	No Hazard.	AVR1:0
		E-B(2-3)	No Hazard.	AVR1:0
		C-C(4-5)	No Hazard.	AVR1:0
TR501	Open	D	See 42 Page.	
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR502	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased

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Component	Mode		Comment	Output Voltage (V)
TR502	Open	G	Normal operation.	AVR1:*
	Short	D-S	Output voltage decreased. No hazard.	AVR1:decreased
		S-G	Normal operation.	AVR1:*
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR503	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	See 42 Page.	
		B-C	Normal operation.	AVR1:*
TR504	Open	C	Output voltage decreased. No hazard.	AVR1:decreased
		E	Output voltage decreased. No hazard.	AVR1:decreased
		B	Output voltage decreased. No hazard.	AVR1:decreased
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR530	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	See 42 Page.	
TR601	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR601	Open	B	Normal operation.	AVR1:*
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	AVR1:*
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR602	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Output voltage decreased. No hazard.	AVR1:decreased
		E-B	Normal operation.	AVR1:*
		B-C	Output voltage decreased. No hazard.	AVR1:decreased
TR603	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:*
TR604	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:*
TR605	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*

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Component	Mode		Comment	Output Voltage (V)
TR605	Open	B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
VR551	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
X171	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
ZD151	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD302	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD303	Open		Normal operation.	AVR1:*
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD320	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD401	Open		Normal operation.	AVR1:*

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Component	Mode	Comment	Output Voltage (V)
ZD401	Short	Normal operation.	AVR1:*
ZD411	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD451	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD530	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD551 (Only -48)	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD601	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD602 (Only -48)	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*

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ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C106	Open		Normal operation.	AVR1:*
C111	Short		No Hazard.	AVR1:0
C323	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
C471	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		No Hazard.	AVR1:0
C501	Open		Output voltage decreased. No hazard.	AVR1:decreased
C530	Short		No Hazard.	AVR1:0
C541	Short		Normal operation.	AVR1:*
D102	Open		Normal operation.	AVR1:*
IC101	Open	11	Normal operation.	AVR1:*
		28	Normal operation.	AVR1:*
	Short	18-19	Normal operation.	AVR1:*
		19-20	Normal operation.	AVR1:*
IC401	Open	10	Normal operation.	AVR1:*
SS101	Short		F101 opened, No hazard.	AVR1:0
TR101	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
TR401	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

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ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR401	Open	G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR402	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR501	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
TR503	Short	E-B	Normal operation.	AVR1:*
TR530	Short	B-C	Normal operation.	AVR1:*

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