

ABNORMAL TEST RESULT

OF MODEL AMS240B

Module code	Model Name
E4/E	AMS240B-5-D3.3/AMS240B-5
S	AMS240B-7R5
F4/F	AMS240B-12-D7.5/AMS240B-12
T	AMS240B-15
G4/G	AMS240B-24-D15/AMS240B-24
U	AMS240B-36
H4/H	AMS240B-48-D36/AMS240B-48
V4/V/V5	AMS240B-75-D65/AMS240B-75/AMS240B-75-D100

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 : 2/38 ~ 37/38)

(Abnormal Test Result: 38/38 ~ 38/38)

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)
C501 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C502 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C511 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C512 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C515 (Except -7R5, -12, -15)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C516 (Except -7R5, -12, -15)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C520	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:0
C521	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C522	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C523	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C524	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C525	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C526	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C527	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C531 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C531 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C532 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C532 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C533 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C533 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C534 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C534 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C535 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C535 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C536 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C536 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C537 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C537 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C538 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C538 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C539 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C539 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C540 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C540 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	F201 opened, No hazard.	AVR1:0
C541 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C542 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C543 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C544 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C545 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C546 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C551	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C552	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C553	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C554	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C601	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C602	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C604 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C611 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C612 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C614 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C620 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C621 (Except -75)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C621 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C622 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C622 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C623	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C624	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C625	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C626	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C627	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C628	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C629	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C630	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C631	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C632	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C633	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C634	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C635 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C636 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C637 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C640	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C641	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C642	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C651	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C652	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C653	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C671	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C672	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C685	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C686	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C687 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C688 (Only -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C701	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C702	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C703	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C704	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C705	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C801	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C802	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C803	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C804	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C806	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C807	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C831	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C832	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C833	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C834	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C835	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C836	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C837	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C838 (Only -15, -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C839 (Only -36, -48)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C840 (Except -7R5, -15, -75)	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C841	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C891	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C901	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C902	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C911	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
C912	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C920	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C921	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C922	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C923	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C924	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C931	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
C932	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C933	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C944	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C945	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C951	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
C952	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C953	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D501 (Only -36, -48, -75)	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D511 (Only -36, -48, -75)	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
D521	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D522	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D523	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D524	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D531	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D551	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D552	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D553	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
D554	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D555	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D601	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D602	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D611 (Except -36, -48, -75)	Open		No hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
D612 (Only -36, -48, -75)	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D613 (Only -36, -48)	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
D701	Open		Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
D831	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
D832 (Except -7R5, -15, -75)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
D833 (Except -7R5, -15, -75)	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
IC501 (Except -36, -48, -75)	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)	
IC501 (Except -36, -48, -75)	Open	3	Normal operation.	AVR1:*	
		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	No hazard.	AVR1:0	
		5-6	Normal operation.	AVR1:*	
		6-7	Normal operation.	AVR1:*	
		7-8	Normal operation.	AVR1:*	
	IC511 (Except -36, -48, -75)	Open	1	Normal operation.	AVR1:*
			2	Normal operation.	AVR1:*
3			Normal operation.	AVR1:*	
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	No hazard.	AVR1:0	
		5-6	Normal operation.	AVR1:*	



F M E A

Component	Mode		Comment	Output Voltage (V)
IC511 (Except -36, -48, -75)	Short	6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC521	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC601	Open	1	Normal operation.	AVR1:*
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		5	No hazard.	AVR1:0
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC601	Short	1-2	Normal operation.	AVR1:*
		2-3	No hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	No hazard.	AVR1:0
		6-7	Normal operation.	AVR1:*
		7-8	No hazard.	AVR1:0
IC611 (Except -36, -48, -75)	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		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	No hazard.	AVR1:0
		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	No hazard.	AVR1:0
IC640	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode	Comment	Output Voltage (V)	
IC640	Open	5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No hazard.	AVR1:0
		9	No hazard.	AVR1:0
		10	No hazard.	AVR1:0
		11	No hazard.	AVR1:0
		12	No hazard.	AVR1:0
		13	Normal operation.	AVR1:*
		14	No hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		16	No hazard.	AVR1:0
		17	Normal operation.	AVR1:*
		18	Normal operation.	AVR1:*
		19	Normal operation.	AVR1:*
		20	Output voltage decreased. No hazard.	AVR1:decreased
		21	Output voltage decreased. No hazard.	AVR1:decreased
		22	Normal operation.	AVR1:*
		23	Normal operation.	AVR1:*
		24	No hazard.	AVR1:0
		25	Normal operation.	AVR1:*
		26	Normal operation.	AVR1:*
		27	Normal operation.	AVR1:*
		28	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
IC640	Open	29	Output voltage decreased. No hazard.	AVR1:decreased
		30	Output voltage decreased. No hazard.	AVR1:decreased
	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	No hazard.	AVR1:0
		9-10	No hazard.	AVR1:0
		10-11	No hazard.	AVR1:0
		11-12	No hazard.	AVR1:0
		12-13	No hazard.	AVR1:0
		13-14	Normal operation.	AVR1:*
		14-15	No hazard.	AVR1:0
		16-17	Output voltage decreased. No hazard.	AVR1:decreased
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		19-20	Output voltage decreased. No hazard.	AVR1:decreased
		20-21	Output voltage decreased. No hazard.	AVR1:decreased
		21-22	Normal operation.	AVR1:*
		22-23	Normal operation.	AVR1:*
23-24	No hazard.	AVR1:0		



F M E A

Component	Mode		Comment	Output Voltage (V)
IC640	Short	24-25	Output voltage decreased. No hazard.	AVR1:decreased
		25-26	Output voltage decreased. No hazard.	AVR1:decreased
		26-27	Normal operation.	AVR1:*
		27-28	Normal operation.	AVR1:*
		28-29	Output voltage decreased. No hazard.	AVR1:decreased
		29-30	Output voltage decreased. No hazard.	AVR1:decreased
IC651	Open	1	Normal operation.	AVR1:*
		2	Output voltage decreased. No hazard.	AVR1:decreased
		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	Normal operation.	AVR1:*
IC652 (Except -36, -48, -75)	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	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC701	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	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:*
IC801	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0
		3	No hazard.	AVR1:0
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	No hazard.	AVR1:0
	Short	1-2	No hazard.	AVR1:0
		2-3	No hazard.	AVR1:0
		4-5	No hazard.	AVR1:0
	IC831	Open	1	Output voltage decreased. No hazard.
2			Output voltage decreased. No hazard.	AVR1:decreased
3			Output voltage decreased. No hazard.	AVR1:decreased
4			No hazard.	AVR1:0
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
IC832		Open	1	Normal operation.
	2		Output voltage decreased. No hazard.	AVR1:decreased



F M E A

Component	Mode		Comment	Output Voltage (V)
IC832	Open	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	Normal operation.	AVR1:*
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	No hazard.	AVR1:0
IC921	Open	1	Output voltage decreased. No hazard.	AVR1:decreased
		2	Output voltage decreased. No hazard.	AVR1:decreased
		3	Output voltage increased. No hazard.	AVR1:increased
		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 increased. No hazard.	AVR1:increased
		4-5	Output voltage increased. No hazard.	AVR1:increased
	IC931	Open	1	No hazard.
2			No hazard.	AVR1:0
3			Normal operation.	AVR1:*
4			No hazard.	AVR1:0
5			No hazard.	AVR1:0
Short		1-2	No hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
L601		Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*	



F M E A

Component	Mode		Comment	Output Voltage (V)
LED801	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC901	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:0
PC911	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC941	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:*
PC942	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC943	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*
	Short	A-K	No hazard.	AVR1:0
		C-E	Normal operation.	AVR1:*
PC944	Open	A, K	Normal operation.	AVR1:*
		C, E	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
PC944	Short	A-K	Normal operation.	AVR1:*
		C-E	No hazard.	AVR1:0
R500 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R501 (Except -36, -48, -75)	Open		No hazard.	AVR1:0
R504 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R505 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R506 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R511 (Except -36, -48, -75)	Open		No hazard.	AVR1:0
R514 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R515 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R516 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*
R520	Open		Normal operation.	AVR1:*
R521	Open		No hazard.	AVR1:0
R522	Open		No hazard.	AVR1:0
R523	Open		Normal operation.	AVR1:*
R524	Open		Normal operation.	AVR1:*
R525 (Only -75)	Open		Normal operation.	AVR1:*
R526 (Only -75)	Open		Normal operation.	AVR1:*
R527 (Only -75)	Open		Normal operation.	AVR1:*
R528 (Only -75)	Open		Normal operation.	AVR1:*
R531	Open		No hazard.	AVR1:0
R532	Open		Normal operation.	AVR1:*
R533 (Only -36, -48, -75)	Open		Normal operation.	AVR1:*
R534 (Only -75)	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R535 (Only -75)	Open	Normal operation.	AVR1:*
R536	Open	No hazard.	AVR1:0
R541	Open	Normal operation.	AVR1:*
R542	Open	No hazard.	AVR1:0
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:*
R601	Open	No hazard.	AVR1:0
R602 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R602 (Only -75)	Open	Normal operation.	AVR1:*
R603 (Except -75)	Open	Normal operation.	AVR1:*
R603 (Only -75)	Open	No hazard.	AVR1:0
R604	Open	No hazard.	AVR1:0
R605	Open	No hazard.	AVR1:0
R606	Open	Normal operation.	AVR1:*
R610 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R611 (Except -36, -48, -75)	Open	No hazard.	AVR1:0
R612 (Except -36, -48, -75)	Open	No hazard.	AVR1:0
R613 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R615 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R617 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R618 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R619 (Except -36, -48, -75)	Open	No hazard.	AVR1:0
R621	Open	Normal operation.	AVR1:*
R622 (Only -7R5, -36, -48, -75)	Open	Normal operation.	AVR1:*
R623 (Except -75)	Open	Normal operation.	AVR1:*
R624 (Only -7R5, -36, -48)	Open	Normal operation.	AVR1:*
R640	Open	Normal operation.	AVR1:*
R641	Open	Output voltage decreased. No hazard.	AVR1:decreased
R651	Open	No hazard.	AVR1:0
R653	Open	Normal operation.	AVR1:*
R654	Open	No hazard.	AVR1:0
R655	Open	Normal operation.	AVR1:*
R656	Open	No hazard.	AVR1:0
R657	Open	Normal operation.	AVR1:*
R658 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R659 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*
R671	Open	Normal operation.	AVR1:*
R672	Open	Normal operation.	AVR1:*
R673	Open	No hazard.	AVR1:0



F M E A

Component	Mode	Comment	Output Voltage (V)
R674	Open	No hazard.	AVR1:0
R675	Open	Normal operation.	AVR1:*
R676	Open	Normal operation.	AVR1:*
R677	Open	Normal operation.	AVR1:*
R678	Open	Normal operation.	AVR1:*
R679	Open	Normal operation.	AVR1:*
R681 (Only -75)	Open	Normal operation.	AVR1:*
R682 (Only -75)	Open	Normal operation.	AVR1:*
R685	Open	Normal operation.	AVR1:*
R686 (Only -36, -48, -75)	Open	Normal operation.	AVR1:*
R687 (Only -36, -48)	Open	Normal operation.	AVR1:*
R691 (Only -75)	Open	Normal operation.	AVR1:*
R692 (Only -75)	Open	Normal operation.	AVR1:*
R693 (Only -75)	Open	Normal operation.	AVR1:*
R694 (Only -75)		No hazard.	AVR1:0
R701	Open	No hazard.	AVR1:0
R702	Open	Normal operation.	AVR1:*
R703	Open	No hazard.	AVR1:0
R704	Open	No hazard.	AVR1:0
R705	Open	No hazard.	AVR1:0
R706	Open	No hazard.	AVR1:0
R707	Open	No hazard.	AVR1:0
R708	Open	Normal operation.	AVR1:*
R710	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R711	Open	Normal operation.	AVR1:*
R712	Open	Normal operation.	AVR1:*
R713	Open	Normal operation.	AVR1:*
R714	Open	Normal operation.	AVR1:*
R715	Open	Normal operation.	AVR1:*
R801	Open	No hazard.	AVR1:0
R802	Open	No hazard.	AVR1:0
R803	Open	No hazard.	AVR1:0
R804	Open	Output voltage decreased. No hazard.	AVR1:decreased
R805	Open	Output voltage decreased. No hazard.	AVR1:decreased
R806	Open	Normal operation.	AVR1:*
R807	Open	Output voltage decreased. No hazard.	AVR1:decreased
R808	Open	Output voltage decreased. No hazard.	AVR1:decreased
R809	Open	Output voltage decreased. No hazard.	AVR1:decreased
R810	Open	Output voltage decreased. No hazard.	AVR1:decreased
R811	Open	Normal operation.	AVR1:*
R812	Open	Normal operation.	AVR1:*
R813	Open	No hazard.	AVR1:0
R814	Open	Normal operation.	AVR1:*
R815	Open	Normal operation.	AVR1:*
R816	Open	Normal operation.	AVR1:*
R817	Open	Normal operation.	AVR1:*
R818 (Only -75)	Open	Normal operation.	AVR1:*
R819 (Only -75)	Open	Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)
R820 (Only -75)	Open	Normal operation.	AVR1:*
R821 (Only -75)	Open	Normal operation.	AVR1:*
R832	Open	No hazard.	AVR1:0
R833	Open	Normal operation.	AVR1:*
R834	Open	Output voltage decreased. No hazard.	AVR1:decreased
R835	Open	Output voltage decreased. No hazard.	AVR1:decreased
R836	Open	Output voltage decreased. No hazard.	AVR1:decreased
R837	Open	Output voltage decreased. No hazard.	AVR1:decreased
R838	Open	Output voltage decreased. No hazard.	AVR1:decreased
R839	Open	Output voltage decreased. No hazard.	AVR1:decreased
R842	Open	Normal operation.	AVR1:*
R843 (Except -7R5, -15, -75)	Open	Normal operation.	AVR1:*
R844 (Except -7R5, -15, -75)	Open	Normal operation.	AVR1:*
R891	Open	Output voltage decreased. No hazard.	AVR1:decreased
R892	Open	Normal operation.	AVR1:*
R901	Open	Normal operation.	AVR1:*
R902	Open	Normal operation.	AVR1:*
R903	Open	No hazard.	AVR1:0
R911	Open	Normal operation.	AVR1:*
R912	Open	Normal operation.	AVR1:*
R913	Open	Normal operation.	AVR1:*
R920	Open	No hazard.	AVR1:0
R921	Open	Output voltage decreased. No hazard.	AVR1:decreased
R922	Open	Normal operation.	AVR1:*



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Component	Mode		Comment	Output Voltage (V)
R923	Open		Normal operation.	AVR1:*
R924	Open		Output voltage increased. No hazard.	AVR1:increased
R925	Open		Normal operation.	AVR1:*
R926	Open		Normal operation.	AVR1:*
R931	Open		No hazard.	AVR1:0
R932	Open		No hazard.	AVR1:0
R933	Open		Normal operation.	AVR1:*
R934	Open		Normal operation.	AVR1:*
R935	Open		No hazard.	AVR1:0
R941	Open		No hazard.	AVR1:0
R942	Open		No hazard.	AVR1:0
R943	Open		Normal operation.	AVR1:*
R944	Open		Normal operation.	AVR1:*
R945	Open		Normal operation.	AVR1:*
R946	Open		Normal operation.	AVR1:*
R947	Open		Normal operation.	AVR1:*
R948	Open		Normal operation.	AVR1:*
R951	Open		Normal operation.	AVR1:*
R952	Open		Normal operation.	AVR1:*
R953	Open		Normal operation.	AVR1:*
SS501 (Only -75)	Open		No hazard.	AVR1:0
	Short		No hazard.	AVR1:0
T501	Open	1	No hazard.	AVR1:0
		2	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
T501	Open	3	No hazard.	AVR1:0
		4	No hazard.	AVR1:0
	Short	1-2	F201 opened, No hazard.	AVR1:0
		3-4	No hazard.	AVR1:0
TH951	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
TH952	Open		Normal operation.	AVR1:*
	Short		No hazard.	AVR1:0
TR501 (Except -36, -48, -75)	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No hazard.	AVR1:0
TR511 (Except -36, -48, -75)	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No hazard.	AVR1:0
TR521	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR521	Short	E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR531	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	No hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*
TR541	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR543	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR551	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR551	Short	E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR601	Open	D	See page 38.	
		S	See page 38.	
		G	See page 38.	
	Short	D-S	See page 38.	
		S-G	See page 38.	
		G-D	See page 38.	
TR602	Open	D	See page 38.	
		S	See page 38.	
		G	See page 38.	
	Short	D-S	See page 38.	
		S-G	See page 38.	
		G-D	See page 38.	
TR603	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
TR611	Open	D	See page 38.	
		S	See page 38.	
		G	See page 38.	
	Short	D-S	See page 38.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR611	Short	S-G	See page 38.	
		G-D	See page 38.	
TR612	Open	D	See page 38.	
		S	See page 38.	
		G	See page 38.	
	Short	D-S	See page 38.	
		S-G	See page 38.	
		G-D	See page 38.	
TR613 (Except -36, -48, -75)	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	No hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No hazard.	AVR1:0
TR614 (Except -36, -48, -75)	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:*
TR651	Open	D	No hazard.	AVR1:0
		S	No hazard.	AVR1:0
		G	No hazard.	AVR1:0
	Short	D-S	No hazard.	AVR1:0



F M E A

Component	Mode		Comment	Output Voltage (V)
TR651	Short	S-G	No hazard.	AVR1:0
		G-D	Output voltage decreased. No hazard.	AVR1:decreased
TR671	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
TR672 (Only -75)	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
TR701	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	Normal operation.	AVR1:*
TR801	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
TR801	Short	E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR911	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:*
TR941	Open	C	No hazard.	AVR1:0
		E	No hazard.	AVR1:0
		B	No hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	No hazard.	AVR1:0
		B-C	Normal operation.	AVR1:*
TR942	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	Normal operation.	AVR1:*
VR801	Open	brush	Output voltage decreased. No hazard.	AVR1:decreased
			Output voltage decreased. No hazard.	AVR1:decreased
	Short		Output voltage decreased. No hazard.	AVR1:decreased
ZD501 (Except -36, -48, -75)	Open		Normal operation.	AVR1:*



F M E A

Component	Mode	Comment	Output Voltage (V)	
ZD501 (Except -36, -48, -75)	Short	Normal operation.	AVR1:*	
ZD511 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
ZD521	Open	No hazard.	AVR1:0	
	Short	No hazard.	AVR1:0	
ZD522	Open	No hazard.	AVR1:0	
	Short	No hazard.	AVR1:0	
ZD531	Open	Normal operation.	AVR1:*	
	Short	No hazard.	AVR1:0	
ZD601 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
ZD611 (Except -36, -48, -75)	Open	Normal operation.	AVR1:*	
	Short	Normal operation.	AVR1:*	
ZD671	Open	Normal operation.	AVR1:*	
	Short	No hazard.	AVR1:0	
ZD672 (Only -75)	Open	Normal operation.	AVR1:*	
	Short	No hazard.	AVR1:0	
ZD901	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Normal operation.	AVR1:*



F M E A

Component	Mode		Comment	Output Voltage (V)
ZD901	Short	4-5	Normal operation.	AVR1:*



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR601	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
TR602 (Except -36, -48, -75)	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
TR611 (Except -36, -48, -75)	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
TR612 (Only -5, -7R5, -12, -15)	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