

ABNORMAL TEST RESULT

OF MODEL ACS300B-7R5, 15, 18, 34

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 : 2/17 ~ 16/17)

(Abnormal Test Result: 17/17 ~ 17/17)

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)
C202	Open		Normal operation.	
	Short		No Hazard.	0V
C203	Open		No Hazard.	0V
	Short		No Hazard.	0V
C204	Open		Normal operation.	
	Short		Normal operation.	
C205	Open		Output voltage decreased. No hazard.	
	Short		Normal operation.	
C206	Open		Normal operation.	
	Short		Normal operation.	
C209	Open		Normal operation.	
	Short		No Hazard.	0V
C210	Open		Normal operation.	
	Short		Normal operation.	
C211	Open	Only 7R5	Normal operation.	
	Short	Only 7R5	Normal operation.	
C212	Open	Only 7R5	Normal operation.	
	Short	Only 7R5	Normal operation.	
C214	Open		Normal operation.	
	Short		Normal operation.	
C215	Open		Normal operation.	
	Short		Normal operation.	
C251	Open		Output voltage decreased. No hazard.	
	Short		Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
C252	Open		Normal operation.	
	Short		Normal operation.	
C281	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
C282	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
C283	Open	Except 7R5	No Hazard.	0V
	Short	Except 7R5	Normal operation.	
C284	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	No Hazard.	0V
C501	Open		Normal operation.	
	Short		Normal operation.	
C502	Open		Normal operation.	
	Short		Normal operation.	
C503	Open		Normal operation.	
	Short		Normal operation.	
C504	Open		Normal operation.	
	Short		Normal operation.	
C505	Open		Normal operation.	
	Short		No Hazard.	0V
C506	Open		Normal operation.	
	Short		No Hazard.	0V
C507	Open		Normal operation.	
	Short		No Hazard.	0V



F M E A

Component	Mode		Comment	Output Voltage (V)
C509	Open	Only 34	Normal operation.	
	Short	Only 34	Normal operation.	
C510	Open	Only 34	Normal operation.	
	Short	Only 34	Normal operation.	
C512	Open	Only 7R5	Output voltage decreased. No hazard.	
	Short	Only 7R5	Output voltage decreased. No hazard.	
C513	Open	Except 34	Output voltage decreased. No hazard.	
	Short	Except 34	Output voltage decreased. No hazard.	
C515	Open		Normal operation.	
	Short		Normal operation.	
C516	Open	Only 34	Normal operation.	
	Short	Only 34	Normal operation.	
C519	Open		Normal operation.	
	Short		Normal operation.	
C520	Open		Normal operation.	
	Short		Normal operation.	
C523	Open		Normal operation.	
	Short		Normal operation.	
C524	Open		Normal operation.	
	Short		No Hazard.	0V
C526	Open	Only 34	Output voltage decreased. No hazard.	
	Short	Only 34	Output voltage decreased. No hazard.	
C530	Open		Normal operation.	
	Short		Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
D201	Open		Normal operation.	
	Short		Normal operation.	
D202	Open		Normal operation.	
	Short		Normal operation.	
D203	Open		Normal operation.	
	Short		No Hazard.	0V
D204	Open		No Hazard.	0V
	Short		Normal operation.	
D251	Open		Normal operation.	
	Short		Normal operation.	
D281	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
D282	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
D283	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
D284	Open	Except 7R5	Output voltage decreased. No hazard.	
	Short	Except 7R5	No Hazard.	0V
D285	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
D501	Open		Normal operation.	
	Short		Normal operation.	
D502	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)	
F501	Open	No Hazard.	0V	
F502	Open	No Hazard.	0V	
IC201	Open	1	No Hazard.	0V
		2	No Hazard.	0V
		3	F701 opened, No hazard.	0V
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No Hazard.	0V
		11	No Hazard.	0V
		12	No Hazard.	0V
		13	Output voltage decreased. No hazard.	
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	0V
		18	Output voltage decreased. No hazard.	
		19	Output voltage decreased. No hazard.	
		20	No Hazard.	0V
	Short	1-2	Normal operation.	
		2-3	No Hazard.	0V

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No Hazard.	0V
		11-12	No Hazard.	0V
		12-13	No Hazard.	0V
		13-14	Normal operation.	
		14-15	Normal operation.	
		15-16	Normal operation.	
		16-17	Normal operation.	
		17-18	Normal operation.	
		18-19	Normal operation.	
IC281	Open	K Except 7R5	Normal operation.	
		A Except 7R5	Normal operation.	
		R Except 7R5	Normal operation.	
	Short	A-K Except 7R5	No Hazard.	0V
		K-R Except 7R5	Normal operation.	
		R-A Except 7R5	Normal operation.	
IC282	Open	1 Except 7R5	Normal operation.	
		2 Except 7R5	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
IC282	Open	3 Except 7R5	Normal operation.	
		4 Except 7R5	No Hazard.	0V
		5 Except 7R5	Normal operation.	
		6 Except 7R5	Normal operation.	
		7 Except 7R5	No Hazard.	0V
		8 Except 7R5	Normal operation.	
	Short	1-2 Except 7R5	Normal operation.	
		2-3 Except 7R5	Normal operation.	
		3-4 Except 7R5	Normal operation.	
		5-6 Except 7R5	Normal operation.	
		6-7 Except 7R5	No Hazard.	0V
		7-8 Except 7R5	Normal operation.	
	IC501	Open	K	No Hazard.
A			No Hazard.	0V
R			No Hazard.	0V
Short		A-K	Output voltage decreased. No hazard.	
		K-R	Output voltage decreased. No hazard.	
		R-A	No Hazard.	0V
L507	Open		See 17 Page.	
	Short		See 17 Page.	
L509	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No Hazard.	0V
		C, E	No Hazard.	0V



F M E A

Component	Mode		Comment	Output Voltage (V)
PC201	Short	A-K	No Hazard.	0V
		C-E	No Hazard.	0V
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	0V
PC203	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	0V
R201	Open	No Hazard.	0V	
R202	Open	No Hazard.	0V	
R203	Open	Normal operation.		
R204	Open	Normal operation.		
R205	Open	No Hazard.	0V	
R206	Open	No Hazard.	0V	
R207	Open	No Hazard.	0V	
R208	Open	Output voltage decreased. No hazard.		
R209	Open	Normal operation.		
R210	Open	Normal operation.		
R211	Open	Normal operation.		
R212	Open	F701 opened, No hazard.	0V	
R213	Open	Normal operation.		
R214	Open	Output voltage decreased. No hazard.		



F M E A

Component	Mode		Comment	Output Voltage (V)
R215	Open		Normal operation.	
R216	Open		Normal operation.	
R217	Open		Output voltage decreased. No hazard.	
R218	Open		Normal operation.	
R220	Open		F701 opened, No hazard.	0V
R221	Open		Output voltage decreased. No hazard.	
R222	Open		Normal operation.	
R251	Open		Normal operation.	
R252	Open		Normal operation.	
R253	Open		Normal operation.	
R254	Open		Normal operation.	
R255	Open		Output voltage decreased. No hazard.	
R256	Open		Normal operation.	
R257	Open		Normal operation.	
R258	Open		Normal operation.	
R259	Open		Output voltage decreased. No hazard.	
R281	Open	Except 7R5	F701 opened, No hazard.	0V
R282	Open		Normal operation.	
R283	Open		Normal operation.	
R284	Open	Except 7R5	Normal operation.	
R285	Open	Except 7R5	Normal operation.	
R286	Open	Except 7R5	No Hazard.	0V
R287	Open	Except 7R5	No Hazard.	0V
R288	Open	Except 7R5	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
R289	Open	Except 7R5	Normal operation.	
R290	Open	Except 7R5	Normal operation.	
R291	Open	Except 7R5	Normal operation.	
R292	Open	Except 7R5	Normal operation.	
R293	Open	Except 7R5	Normal operation.	
R294	Open	Except 7R5	Normal operation.	
R295	Open	Except 7R5	Normal operation.	
R501	Open		Normal operation.	
R502	Open		Normal operation.	
R503	Open		No Hazard.	0V
R504	Open		Normal operation.	
R505	Open		Output voltage decreased. No hazard.	
R506	Open		No Hazard.	0V
R507	Open		Output voltage decreased. No hazard.	
R509	Open		No Hazard.	0V
R510	Open		Normal operation.	
R511	Open		Normal operation.	
R512	Open		Normal operation.	
R513	Open		Normal operation.	
R514	Open	Except 7R5	Normal operation.	
R515	Open	Except 7R5	Normal operation.	
R516	Open	Only 18, 34	Normal operation.	
R518	Open		Normal operation.	
R519	Open		Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
R520	Open	Only 7R5, 34	No Hazard.	0V
R541	Open		Normal operation.	
R542	Open		Normal operation.	
R544	Open		No Hazard.	0V
R549	Open		Normal operation.	
R551	Open		Normal operation.	
R552	Open		Normal operation.	
R553	Open		Normal operation.	
R554	Open		Normal operation.	
R555	Open		Normal operation.	
R556	Open		Normal operation.	
R557	Open		Normal operation.	
R558	Open		Normal operation.	
R559	Open		Normal operation.	
R560	Open		Normal operation.	
R561	Open		Normal operation.	
R562	Open		Normal operation.	
R563	Open		Normal operation.	
R564	Open		Normal operation.	
R565	Open		Normal operation.	
R566	Open		Normal operation.	
SS501	Open	Cathode	See 17 Page.	
		Anode (Forward)	See 17 Page.	
		Anode (Flyback)	See 17 Page.	



F M E A

Component	Mode		Comment	Output Voltage (V)
SS501	Short	C-A (Forward)	See 17 Page.	
		C-A (Flyback)	See 17 Page.	
SS502	Open		See 17 Page.	
	Short		See 17 Page.	
T201	Open	2 or 3	No Hazard.	0V
		7, 8 or 9, 10	See 17 Page.	
		10 or 11 Only 2	No Hazard.	0V
	Short	2-3	F701 opened, No hazard.	0V
		7, 8-9, 10	F701 opened, No hazard.	0V
		10-11 Only 2	F701 opened, No hazard.	0V
TR201	Open	D	See 17 Page.	
		S	See 17 Page.	
		G	F701 opened, No hazard.	0V
	Short	D-S	F701 opened, No hazard.	0V
		S-G	See 17 Page.	
		G-D	F701 opened, No hazard.	0V
TR202	Open	D	See 17 Page.	
		S	See 17 Page.	
		G	F701 opened, No hazard.	0V
	Short	D-S	F701 opened, No hazard.	0V
		S-G	See 17 Page.	
		G-D	F701 opened, No hazard.	0V
TR203	Open	C	F701 opened, No hazard.	0V
		E	F701 opened, No hazard.	0V



F M E A

Component	Mode		Comment	Output Voltage (V)
TR203	Open	B	F701 opened, No hazard.	0V
		E		
	Short	C-E	No Hazard.	0V
		E-B	Normal operation.	
TR204	Open	C	No Hazard.	0V
		E	No Hazard.	0V
		B	No Hazard.	0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	0V
		B-C	Normal operation.	
TR251	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Output voltage decreased. No hazard.	
		E-B	Output voltage decreased. No hazard.	
		B-C	Output voltage decreased. No hazard.	
TR281	Open	C Except 7R5	No Hazard.	0V
		E Except 7R5	No Hazard.	0V
		B Except 7R5	No Hazard.	0V
	Short	C-E Except 7R5	Normal operation.	
		E-B Except 7R5	No Hazard.	0V
		B-C Except 7R5	Normal operation.	
TR501	Open	C	Normal operation.	
		E	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
TR501	Open	B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
VR201	Open	brush	Output voltage decreased. No hazard.	
			Output voltage decreased. No hazard.	
VR501	Open	brush	Output voltage decreased. No hazard.	
			Output voltage decreased. No hazard.	
ZD201	Open		Normal operation.	
	Short		Normal operation.	
ZD251	Open		Normal operation.	
	Short		Output voltage decreased. No hazard.	
ZD281	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	No Hazard.	0V
ZD282	Open	Except 7R5	Normal operation.	
	Short	Except 7R5	Normal operation.	
ZD501	Open		Normal operation.	
	Short		No Hazard.	0V
ZD502	Open	Only 34	Normal operation.	
	Short	Only 34	No Hazard.	0V
ZD503	Open	Only 34	No Hazard.	0V
	Short	Only 34	Output voltage decreased. No hazard.	
ZD505	Open	Only 34	Normal operation.	
	Short	Only 34	Normal operation.	



F M E A

Component	Mode		Comment	Output Voltage (V)
ZD506	Open		Normal operation.	
	Short		Normal operation.	
J202	Open		Normal operation.	
J501	Open	Except 34	Normal operation.	
J502	Open	Except 34	No Hazard.	0V
J505	Open	Except 34	Normal operation.	



ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
L507	Open		F701 opened, No hazard.	0V
	Short		No Hazard.	0V
SS501	Open	Cathode	F701 opened, No hazard.	0V
		Anode (forward)	F701 opened, No hazard.	0V
		Anode (Flyback)	Normal operation.	
	Short	C-A (Forward)	No Hazard.	0V
		C-A (Flyback)	No Hazard.	0V
SS502	Open		Normal operation.	
	Short		No Hazard.	0V
T201	Open	7, 8 or 9, 10	F701 opened, No hazard.	0V
TR201	Open	D	F701 opened, No hazard.	0V
		S	F701 opened, No hazard.	0V
	Short	S-G	No Hazard.	0V
TR202	Open	D	F701 opened, No hazard.	0V
		S	F701 opened, No hazard.	0V
	Short	S-G	No Hazard.	0V