

## ABNORMAL TEST RESULT

OF MODEL ACS150B-3R3, 5, 12, 24

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 : 2/13 ~ 12/13)

( Abnormal Test Result: 13/13 ~ 13/13)

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	No Hazard.	Decreased
	Short	Normal operation.	
C206	Open	Normal operation.	
	Short	Normal operation.	
C207	Open	Normal operation.	
	Short	Normal operation.	
C208	Open	Normal operation.	
	Short	Normal operation.	
C209	Open	Normal operation.	
	Short	No Hazard.	0V
C210	Open	Normal operation.	
	Short	Normal operation.	
C211	Open	Normal operation.	
	Short	Normal operation.	
C212	Open	Normal operation.	
	Short	Normal operation.	
C213 Only 3R3, 5	Open	Normal operation.	
	Short	No Hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
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
C508	Open	Normal operation.	
	Short	No Hazard.	0V
C512 Only 3R3, 5	Open	No Hazard.	Decreased
	Short	No Hazard.	Decreased
C513	Open	No Hazard.	Decreased
	Short	No Hazard.	Decreased
C515	Open	Normal operation.	
	Short	Normal operation.	
C517 Only 3R3	Open	Normal operation.	
	Short	No Hazard.	Decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
C518 Only 3R3	Open		Normal operation.	
	Short		No Hazard.	Decreased
C519	Open		Normal operation.	
	Short		Normal operation.	
C520	Open		Normal operation.	
	Short		Normal operation.	
C523 Except 3R3	Open		Normal operation.	
	Short		Normal operation.	
CN201	Open	1	No Hazard.	0V
		2	No Hazard.	0V
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	No Hazard.	0V
		3-4	Normal operation.	
		4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		D201	Open	
Short			Normal operation.	
D202	Open		Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)	
D202	Short	Normal operation.		
D203	Open	Normal operation.		
	Short	No Hazard.	0V	
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	No Hazard.	Decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	0V
		18	No Hazard.	Decreased
		19	No Hazard.	Decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	20	No Hazard.	0V
		Short	1-2	Normal operation.
	2-3		No Hazard.	0V
	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.	
	19-20	No Hazard.	0V	
IC501	Open	K	No Hazard.	0V
		A	No Hazard.	0V
		R	No Hazard.	0V
	Short	A-K	No Hazard.	Decreased
		K-R	No Hazard.	Decreased

F M E A

Component	Mode		Comment	Output Voltage (V)
IC501	Short	R-A	No Hazard.	0V
J202	Open		Normal operation.	
J501 Except 24	Open		Normal operation.	
J502	Open		No Hazard.	0V
J505 Except 24	Open		Normal operation.	
J506 Only 3R3	Open		Normal operation.	
L507	Open		See 13 Page.	
	Short		See 13 Page.	
L509	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No Hazard.	0V
		C, E	No Hazard.	0V
	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
SS501	Open	Cathode side	See 13 Page.	
		Alternative anodes	See 13 Page.	

F M E A

Component	Mode		Comment	Output Voltage (V)
SS501	Short	A-K	See 13 Page.	
SS502	Open	Cathode side	See 13 Page.	
		Alternative anodes	See 13 Page.	
	Short	A-K	See 13 Page.	
SS503 Except 24	Open	Cathode side	See 13 Page.	
		Alternative anodes	See 13 Page.	
	Short	A-K	See 13 Page.	
T201	Open	2or3or4or5	No Hazard.	0V
		8, 10, 12or9, 11, 13	See 13 Page.	
	Short	2-3	F701 opened, No hazard.	0V
		3-4	Normal operation.	
		4-5	F701 opened, No hazard.	0V
		8, 10, 12-- 9, 11, 13	See 13 Page.	
TR201	Open	D	See 13 Page.	
		S	See 13 Page.	
		G	See 13 Page.	
	Short	D-S	See 13 Page.	
		S-G	See 13 Page.	
		G-D	See 13 Page.	
TR202	Open	C	No Hazard.	0V
		E	No Hazard.	0V
		B	No Hazard.	0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	0V



F M E A

Component	Mode		Comment	Output Voltage (V)
TR202	Short	B-C	Normal operation.	
TR501	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	Normal operation.	
		E-B	Normal operation.	
		B-C	Normal operation.	
VR201	Open	brush	No Hazard.	Decreased
			No Hazard.	Decreased
VR501	Open	brush	No Hazard.	Decreased
			No Hazard.	Decreased
ZD501	Open		Normal operation.	
	Short		No Hazard.	0V
ZD502 Only 24	Open		Normal operation.	
	Short		No Hazard.	0V
ZD505 Only 24	Open		Normal operation.	
	Short		Normal operation.	
ZD506 Except 3R3	Open		Normal operation.	
	Short		Normal operation.	
R201	Open		No Hazard.	0V
R202	Open		No Hazard.	0V
R203	Open		Normal operation.	
R204	Open		Normal operation.	
R205	Open		No Hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
R206	Open	No Hazard.	0V
R207	Open	No Hazard.	0V
R208	Open	No Hazard.	Decreased
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	No Hazard.	Decreased
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R217	Open	No Hazard.	Decreased
R218	Open	Normal operation.	
R219 Only 3R3, 5	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	No Hazard.	0V
R504	Open	Normal operation.	
R505	Open	No Hazard.	Decreased
R506	Open	No Hazard.	0V
R507	Open	No Hazard.	Decreased
R509	Open	No Hazard.	0V
R510	Open	Normal operation.	
R511	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R512	Open	Normal operation.	
R513	Open	Normal operation.	
R514	Open	Normal operation.	
R515	Open	Normal operation.	
R518	Open	Normal operation.	
R519	Open	Normal operation.	
R521	Open	Normal operation.	
R522	Open	Normal operation.	
R523	Open	Normal operation.	
R524	Open	Normal operation.	
R525	Open	Normal operation.	
R526	Open	Normal operation.	
R527	Open	Normal operation.	
R528	Open	Normal operation.	
R529	Open	Normal operation.	
R530	Open	Normal operation.	
R531 Only 3R3	Open	Normal operation.	
R532 Only 3R3	Open	Normal operation.	
R533 Only 3R3	Open	Normal operation.	
R534 Only 3R3	Open	Normal operation.	
R535 Only 3R3	Open	Normal operation.	
R536 Only 3R3	Open	Normal operation.	
R541	Open	Normal operation.	
R542	Open	Normal operation.	

F M E A

Component	Mode	Comment	Output Voltage (V)
R544	Open	No Hazard.	0V
R547 Only 3R3	Open	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 side	F701 opened, No hazard.	0V
		Alternative anodes	Normal operation.	
	Short	A-K	No Hazard.	0V
SS502	Open	Cathode side	F701 opened, No hazard.	24:0V
		Alternative anodes	Normal operation.	
	Short	A-K	No Hazard.	0V
SS503 Except 24	Open	Cathode side	Normal operation.	
		Alternative anodes	Normal operation.	
	Short	A-K	No Hazard.	0V
T201	Open	8, 10, 12or9, 11, 13	F701 opened, No hazard.	0V
	Short	8, 10, 12-9, 11, 13	No Hazard.	0V
TR201	Open	D	No Hazard.	0V
		S	No Hazard.	0V
		G	F701 opened, No hazard.	0V
	Short	D-S	F701 opened, No hazard.	0V
		S-G	No Hazard.	0V
		G-D	F701 opened, No hazard.	0V