

## ABNORMAL TEST RESULT

OF MODEL ACS50B-3R3, 5, 12, 15, 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 : 2/11 ~ 10/11)

( Abnormal Test Result: 11/11 ~ 11/11)

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.	
C213 Only 3R3, 5	Open	Normal operation.	
	Short	No Hazard.	0V
C505	Open	Normal operation.	
	Short	No Hazard.	0V
C506 Only 3R3, 5	Open	Normal operation.	
	Short	No Hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
C507	Open	Normal operation.	
	Short	No Hazard.	0V
C512 Only 3R3, 5	Open	No Hazard.	Decreased
	Short	No Hazard.	Decreased
C513 Except 3R3, 5	Open	No Hazard.	Decreased
	Short	No Hazard.	Decreased
C516 Only 3R3	Open	Normal operation.	
	Short	No Hazard.	Decreased
C517 Only 3R3	Open	Normal operation.	
	Short	No Hazard.	Decreased
C518 Only 3R3, 5	Open	Normal operation.	
	Short	No Hazard.	Decreased
C519	Open	Normal operation.	
	Short	Normal operation.	
C520	Open	Normal operation.	
	Short	Normal operation.	
C521	Open	Normal operation.	
	Short	Normal operation.	
C522	Open	Normal operation.	
	Short	Normal operation.	
C523	Open	Normal operation.	
	Short	Normal operation.	
C524	Open	Normal operation.	
	Short	Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
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		Normal operation.	
	Short		Normal operation.	
D202	Open		Normal operation.	
	Short		Normal operation.	
D203	Open		Normal operation.	
	Short		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.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Open	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
		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

## F M E A

Component	Mode		Comment	Output Voltage (V)
IC201	Short	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
		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 11 Page.	
	Short		See 11 Page.	
L509	Open		Normal operation.	
	Short		Normal operation.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
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	Forward side	See 11 Page.	
		Flyback side	See 11 Page.	
		Cathode side	See 11 Page.	
	Short	Forward side	See 11 Page.	
		Flyback side	See 11 Page.	
T201	Open	1or3	No Hazard.	0V
		6, 7or8, 9	See 11 Page.	
	Short	1-3	F701 opened, No hazard.	0V
		6, 7-8, 9	See 11 Page.	
TR201	Open	D	See 11 Page.	
		S	See 11 Page.	
		G	See 11 Page.	

## F M E A

Component	Mode		Comment	Output Voltage (V)
TR201	Short	D-S	See 11 Page.	
		S-G	See 11 Page.	
		G-D	See 11 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
		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.	
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.	



## F M E A

Component	Mode	Comment	Output Voltage (V)
ZD506 Except 3R3	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
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
R214	Open	No Hazard.	Decreased
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R218 Only 3R3, 5	Open	Normal operation.	
R219 Only 3R3, 5	Open	Normal operation.	
R220	Open	No Hazard.	Decreased
R222	Open	Normal operation.	
R223	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	No Hazard.	0V

F M E A

Component	Mode	Comment	Output Voltage (V)
R504 Except 3R3, 5	Open	Normal operation.	
R505	Open	No Hazard.	Decreased
R506	Open	No Hazard.	0V
R507	Open	No Hazard.	Decreased
R508 Only 3R3, 5	Open	Normal operation.	
R509	Open	No Hazard.	0V
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.	
R541	Open	Normal operation.	
R542	Open	Normal operation.	
R545	Open	Normal operation.	
R546	Open	Normal operation.	
R547 Only 3R3, 5	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	Forward side	F701 opened, No hazard.	0V
		Flyback side	F701 opened, No hazard.	0V
		Cathode side	F701 opened, No hazard.	0V
	Short	Forward side	No Hazard.	0V
		Flyback side	No Hazard.	0V
T201	Open	6, 7or8, 9	F701 opened, No hazard.	0V
	Short	6, 7-8, 9	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