

ABNORMAL TEST RESULT

OF MODEL ACW150B-12, -15

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 : 2/15 ~ 13/15)

(Abnormal Test Result: 14/15 ~ 15/15)

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
C202	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V
C203	Open		No Hazard.	V1:0V V2:0V
	Short		No Hazard.	V1:0V V2:0V
C204	Open		Normal operation.	
	Short		Normal operation.	
C205	Open		No Hazard.	V1, V2: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.	V1:0V V2:0V
C210	Open		Normal operation.	
	Short		Normal operation.	
C211	Open	Only -12	Normal operation.	
	Short	Only -12	Normal operation.	
C212	Open	Only -12	Normal operation.	
	Short	Only -12	Normal operation.	
C213	Open	Only -12	Normal operation.	
	Short	Only -12	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
C214	Open	Only -12	Normal operation.	
	Short	Only -12	Normal operation.	
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.	
C506	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V
C507	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V
C510	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V
C511	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V
C513	Open		No Hazard.	V1, V2:Decreased
	Short		No Hazard.	V1, V2:Decreased
C519	Open		Normal operation.	
	Short		Normal operation.	
C520	Open		Normal operation.	
	Short		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
C523	Open		Normal operation.	
	Short		Normal operation.	
C524	Open		Normal operation.	
	Short		Normal operation.	
CN201	Open	1	No Hazard.	V1:0V V2:0V
		2	No Hazard.	V1:0V V2:0V
		3	Normal operation.	
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
	Short	1-2	Normal operation.	
		2-3	No Hazard.	V1:0V V2:0V
		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.	V1:0V V2:0V
D503	Open		Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
D503	Short		Normal operation.	
IC201	Open	1	No Hazard.	V1:0V V2:0V
		2	No Hazard.	V1:0V V2:0V
		3	F701 opened, No hazard.	V1:0V V2:0V
		4	Normal operation.	
		5	Normal operation.	
		6	Normal operation.	
		7	Normal operation.	
		8	Normal operation.	
		9	Normal operation.	
		10	No Hazard.	V1:0V V2:0V
		11	No Hazard.	V1:0V V2:0V
		12	No Hazard.	V1:0V V2:0V
		13	No Hazard.	V1, V2:Decreased
		14	Normal operation.	
		15	Normal operation.	
		16	Normal operation.	
		17	No Hazard.	V1:0V V2:0V
		18	No Hazard.	V1, V2:Decreased
		19	No Hazard.	V1, V2:Decreased
		20	No Hazard.	V1:0V V2:0V
	Short	1-2	Normal operation.	
		2-3	No Hazard.	V1:0V V2:0V
		3-4	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
IC201	Short	4-5	Normal operation.	
		5-6	Normal operation.	
		6-7	Normal operation.	
		7-8	Normal operation.	
		8-9	Normal operation.	
		9-10	No Hazard.	V1:0V V2:0V
		11-12	No Hazard.	V1:0V V2:0V
		12-13	No Hazard.	V1:0V V2:0V
		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.	V1:0V V2:0V
IC501	Open	K	No Hazard.	V1:0V V2:0V
		A	No Hazard.	V1:0V V2:0V
		R	No Hazard.	V1:0V V2:0V
	Short	A-K	No Hazard.	V1, V2:Decreased
		K-R	No Hazard.	V1, V2:Decreased
		R-A	No Hazard.	V1:0V V2:0V
J202	Open		Normal operation.	
J501	Open		Normal operation.	
J502	Open		No Hazard.	V1:0V V2:0V

F M E A

Component	Mode		Comment	Output Voltage
J506	Open		Normal operation.	
J507	Open		Normal operation.	
L507	Open	1, 2	See 14 Page.	
		3, 4	See 14 Page.	
	Short	1-2	See 14 Page.	
		3-4	See 14 Page.	
		1-3	See 14 Page.	
		2-4	See 14 Page.	
L509	Open		Normal operation.	
	Short		Normal operation.	
L510	Open		Normal operation.	
	Short		Normal operation.	
PC201	Open	A, K	No Hazard.	V1:0V V2:0V
		C, E	No Hazard.	V1:0V V2:0V
	Short	A-K	No Hazard.	V1:0V V2:0V
		C-E	No Hazard.	V1:0V V2:0V
PC202	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	V1:0V V2:0V
PC203	Open	A, K	Normal operation.	
		C, E	Normal operation.	
	Short	A-K	Normal operation.	
		C-E	No Hazard.	V1:0V V2:0V

F M E A

Component	Mode	Comment	Output Voltage
R201	Open	No Hazard.	V1:0V V2:0V
R202	Open	No Hazard.	V1:0V V2:0V
R203	Open	Normal operation.	
R204	Open	Normal operation.	
R205	Open	No Hazard.	V1:0V V2:0V
R206	Open	No Hazard.	V1:0V V2:0V
R207	Open	No Hazard.	V1:0V V2:0V
R208	Open	No Hazard.	V1, V2:Decreased
R209	Open	Normal operation.	
R210	Open	Normal operation.	
R211	Open	Normal operation.	
R212	Open	F701 opened, No hazard.	V1:0V V2:0V
R213	Open	Normal operation.	
R214	Open	No Hazard.	V1, V2:Decreased
R215	Open	Normal operation.	
R216	Open	Normal operation.	
R217	Open	No Hazard.	V1, V2:Decreased
R218	Open	Normal operation.	
R501	Open	Normal operation.	
R502	Open	Normal operation.	
R503	Open	No Hazard.	V1:0V V2:0V
R504	Open	Normal operation.	
R505	Open	No Hazard.	V1, V2:Decreased
R506	Open	No Hazard.	V1:0V V2:0V

F M E A

Component	Mode		Comment	Output Voltage
R507	Open		No Hazard.	V1,V2:Decreased
R509	Open		No Hazard.	V1:0V V2:0V
R510	Open		Normal operation.	
R511	Open		Normal operation.	
R512	Open		Normal operation.	
R513	Open		Normal operation.	
R518	Open		Normal operation.	
R519	Open		Normal operation.	
R520	Open		No Hazard.	V1:0V V2:0V
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	Open		Normal operation.	
R532	Open		Normal operation.	
R533	Open		Normal operation.	
R534	Open		Normal operation.	
R535	Open	Only -15	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
R536	Open	Only -15	Normal operation.	
R537	Open	Only -15	Normal operation.	
R538	Open	Only -15	Normal operation.	
R541	Open		Normal operation.	
R542	Open		Normal operation.	
R552	Open		Normal operation.	
R553	Open		Normal operation.	
R554	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.	
R567	Open		Normal operation.	
R568	Open		Normal operation.	
R569	Open		Normal operation.	
R570	Open		Normal operation.	
R571	Open		Normal operation.	
R572	Open		Normal operation.	
R573	Open		Normal operation.	
R574	Open		Normal operation.	
R575	Open	Only -15	Normal operation.	
R576	Open	Only -15	Normal operation.	

F M E A

Component	Mode		Comment	Output Voltage
R577	Open	Only -15	Normal operation.	
R578	Open	Only -15	Normal operation.	
SS501	Open	Forward side	See 14 Page.	
		Flyback side	See 14 Page.	
		Cathode side	See 14 Page.	
	Short	Forward side	See 14 Page.	
		Flyback side	See 14 Page.	
SS502	Open	Forward side	See 14 Page.	
		Flyback side	See 14 Page.	
		Cathode side	See 14 Page.	
	Short	Forward side	See 14 Page.	
		Flyback side	See 14 Page.	
T201	Open	8or6	No Hazard.	V1:0V V2:0V
		1or2	See 14 Page.	
		3or4	See 14 Page.	
	Short	8-6	F701 opened, No hazard.	V1:0V V2:0V
		1-2	See 14 Page.	
		3-4	See 14 Page.	
TR201	Open	D	See 14 Page.	
		S	See 14 Page.	
		G	See 14 Page.	
	Short	D-S	See 14 Page.	
		S-G	See 15 Page.	
		G-D	See 15 Page.	

F M E A

Component	Mode		Comment	Output Voltage
TR202	Open	C	No Hazard.	V1:0V V2:0V
		E	No Hazard.	V1:0V V2:0V
		B	No Hazard.	V1:0V V2:0V
	Short	C-E	Normal operation.	
		E-B	No Hazard.	V1:0V V2:0V
		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.	
TR503	Open	C	Normal operation.	
		E	Normal operation.	
		B	Normal operation.	
	Short	C-E	No Hazard.	V1:0V V2:0V
		E-B	Normal operation.	
		B-C	No Hazard.	V1:0V V2:0V
VR201	Open	brush	No Hazard.	V1, V2:Decreased
			No Hazard.	V1, V2:Decreased
VR501	Open	brush	No Hazard.	V1, V2:Decreased
			No Hazard.	V1, V2:Decreased
ZD501	Open		Normal operation.	
	Short		No Hazard.	V1:0V V2:0V

F M E A

Component	Mode	Comment	Output Voltage
ZD505	Open	Normal operation.	
	Short	Normal operation.	
ZD507	Open	Normal operation.	
	Short	No Hazard.	V1:0V V2:0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage
L507	Open	1, 2	No Hazard.	V1:0V V2:0V
		3, 4	No Hazard.	V1:0V V2:0V
	Short	1-2	No Hazard.	V1, V2:Decreased
		3-4	No Hazard.	V1, V2:Decreased
		1-3	No Hazard.	V1, V2:Decreased
		2-4	No Hazard.	V1, V2:Decreased
SS501	Open	Forward side	No Hazard.	V1:0V V2:0V
		Flyback side	No Hazard.	V1:0V V2:0V
		Cathode side	No Hazard.	V1:0V V2:0V
	Short	Forward side	No Hazard.	V1, V2:Decreased
		Flyback side	No Hazard.	V1, V2:Decreased
SS502	Open	Forward side	No Hazard.	V1:0V V2:0V
		Flyback side	No Hazard.	V1:0V V2:0V
		Cathode side	No Hazard.	V1:0V V2:0V
	Short	Forward side	No Hazard.	V1, V2:Decreased
		Flyback side	No Hazard.	V1, V2:Decreased
T201	Open	1or2	No Hazard.	V1:0V V2:0V
		3or4	No Hazard.	V1:0V V2:0V
	Short	1-2	No Hazard.	V1, V2:Decreased
		3-4	No Hazard.	V1, V2:Decreased
TR201	Open	D	No Hazard.	V1:0V V2:0V
		S	No Hazard.	V1:0V V2:0V
		G	F701 opened, No hazard.	V1:0V V2:0V
	Short	D-S	F701 opened, No hazard.	V1:0V V2:0V

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage	
TR201	Short	S-G	No Hazard.	V1:0V	V2:0V
		G-D	F701 opened, No hazard.	V1:0V	V2:0V