

ABNORMAL TEST RESULT

OF MODEL ACW75B-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 : 2/14 ~ 12/14)

(Abnormal Test Result: 13/14 ~ 14/14)

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. | |
| C501 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C502 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C503 | Open | Normal operation. | |
| | Short | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|---|-------------------|------------------|
| C504 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| C505 | Open | | Normal operation. | |
| | Short | | No Hazard. | V1:0V V2:0V |
| C506 | Open | | Normal operation. | |
| | Short | | No Hazard. | V1:0V V2:0V |
| C507 | Open | | Normal operation. | |
| | Short | | No Hazard. | V1:0V V2:0V |
| C508 | 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. | |
| 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. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-----|-------------------------|----------------|
| CN201 | Open | 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. | |
| | 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. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-------|-------------------|------------------|
| IC201 | Open | 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. | |
| | | 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 |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-------|-------------------|------------------|
| IC201 | Short | 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 |
| J506 | Open | | Normal operation. | |
| J507 | Open | | Normal operation. | |
| L507 | Open | 1, 2 | See 13 Page. | |
| | | 3, 4 | See 13 Page. | |
| | Short | 1-2 | See 13 Page. | |
| | | 3-4 | See 13 Page. | |
| | | 1-3 | See 13 Page. | |
| | | 2-4 | See 13 Page. | |

F M E A

| Component | Mode | | Comment | Output Voltage | |
|-----------|-------|------|-------------------|------------------|-------|
| 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 |
| 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 | |

F M E A

| Component | Mode | Comment | Output Voltage |
|-----------|------|-------------------------|-------------------|
| R209 | Open | Normal operation. | |
| R210 | Open | Normal operation. | |
| R211 | Open | Normal operation. | |
| R212 | Open | F701 opened, No hazard. | V1:0V V2:0V |
| R214 | Open | No Hazard. | V1, V2: Decreased |
| R215 | Open | Normal operation. | |
| R216 | Open | Normal operation. | |
| R218 | Open | Normal operation. | |
| R220 | Open | No Hazard. | V1, V2: Decreased |
| R222 | Open | Normal operation. | |
| R223 | 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 |
| 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. | |

F M E A

| Component | Mode | Comment | Output Voltage |
|-----------|------|-------------------|----------------|
| 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. | |
| 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. | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|--------------|-------------------------|----------------|
| R568 | Open | | Normal operation. | |
| R569 | Open | | Normal operation. | |
| R570 | Open | | Normal operation. | |
| SS501 | Open | Forward side | See 13 Page. | |
| | | Flyback side | See 13 Page. | |
| | | Cathode side | See 13 Page. | |
| | Short | Forward side | See 13 Page. | |
| | | Flyback side | See 13 Page. | |
| | | | | |
| SS502 | Open | Forward side | See 13 Page. | |
| | | Flyback side | See 13 Page. | |
| | | Cathode side | See 13 Page. | |
| | Short | Forward side | See 13 Page. | |
| | | Flyback side | See 13 Page. | |
| | | | | |
| T201 | Open | 1or3 | No Hazard. | V1:0V V2:0V |
| | | 6or7 | See 13 Page. | |
| | | 8or9 | See 13 Page. | |
| | Short | 1-3 | F701 opened, No hazard. | V1:0V V2:0V |
| | | 6-7 | See 13 Page. | |
| | | 8-9 | 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 14 Page. | |
| | | | | |

F M E A

| Component | Mode | | Comment | Output Voltage |
|-----------|-------|-------|-------------------|------------------|
| TR201 | Short | G-D | See 14 Page. | |
| 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 | Normal operation. | |
| VR501 | Open | brush | No Hazard. | V1, V2:Decreased |
| | | | No Hazard. | V1, V2:Decreased |
| ZD501 | Open | | Normal operation. | |
| | Short | | No Hazard. | V1:0V V2:0V |
| ZD505 | Open | | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage |
|-----------|-------|-------------------|----------------|
| ZD505 | 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 | 6or7 | No Hazard. | V1:0V V2:0V |
| | | 8or9 | No Hazard. | V1:0V V2:0V |
| | Short | 6-7 | No Hazard. | V1, V2:Decreased |
| | | 8-9 | 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 |