

ABNORMAL TEST RESULT

OF MODEL MGFW8024□□

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 : 2/21 ~ 18/21)

(Abnormal Test Result: 19/21 ~ 21/21)

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) |
|-----------|-------|-------------------|--------------------|
| C101 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C102 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C103 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C104 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C105 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C111 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C112 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C113 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C114 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C115 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C116 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C117 | Open | Normal operation. | |
| | Short | See 19 Page. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|----------------------------------|
| C118 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C119 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C120 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C141 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C142 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C143 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C151 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C201 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C211 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C212 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C231 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C241 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | No Hazard. | AVR1:0 AVR2:0 |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|----------------------------------|
| C242 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C244 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C251 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C252 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C253 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C261 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C271 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C281 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | Normal operation. | |
| C291 | Open | No Hazard. | AVR1:0 AVR2:0 |
| | Short | Normal operation. | |
| C292 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C501 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C502 | Open | Normal operation. | |
| | Short | See 19 Page. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|----------------------------------|--------------------|
| C503 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C504 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C505 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C511 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C512 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C521 | Open | Normal operation. | |
| | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C522 | Open | Normal operation. | |
| | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C531 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C532 | Open | Normal operation. | |
| | Short | See 19 Page. | |
| C533 | Open | Normal operation. | |
| | Short | See 20 Page. | |
| C534 | Open | Normal operation. | |
| | Short | See 20 Page. | |
| C535 | Open | Normal operation. | |
| | Short | See 20 Page. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|----------------------------------|
| C541 | Open | Normal operation. | |
| | Short | See 20 Page. | |
| C542 | Open | Normal operation. | |
| | Short | See 20 Page. | |
| C601 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C611 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C711 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| C712 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| C713 | Open | Normal operation. | |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| C717 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| C718 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| C801 | Open | Normal operation. | |
| | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C802 | Open | Normal operation. | |
| | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C901 | Open | Normal operation. | |
| | Short | Normal operation. | |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|---|----------------------------------|
| D101 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D111 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D141 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D201 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| D252 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| D261 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D262 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 AVR2:0 |
| D271 | Open | No Hazard. | AVR1:0 AVR2:0 |
| | Short | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| D281 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D291 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D501 | Open | Normal operation. | |
| | Short | Normal operation. | |
| D511 | Open | Normal operation. | |
| | Short | Normal operation. | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|----|---|----------------------------------|
| D711 | Open | | Normal operation. | |
| | Short | | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| D712 | Open | | Normal operation. | |
| | Short | | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| IC201 | Open | 1 | Normal operation. | |
| | | 2 | Normal operation. | |
| | | 3 | No Hazard. | AVR1:0 AVR2:0 |
| | | 4 | Normal operation. | |
| | | 5 | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| | | 6 | No Hazard. | AVR1:0 AVR2:0 |
| | | 7 | Normal operation. | |
| | | 8 | Normal operation. | |
| | | 9 | Normal operation. | |
| | | 10 | No Hazard. | AVR1:0 AVR2:0 |
| | | 11 | Normal operation. | |
| | | 12 | No Hazard. | AVR1:0 AVR2:0 |
| | | 13 | No Hazard. | AVR1:0 AVR2:0 |
| | | 14 | No Hazard. | AVR1:0 AVR2:0 |
| | | 15 | No Hazard. | AVR1:0 AVR2:0 |
| | | 16 | Normal operation. | |
| | | 17 | No Hazard. | AVR1:0 AVR2:0 |
| | | 18 | No Hazard. | AVR1:0 AVR2:0 |
| | | 19 | No Hazard. | AVR1:0 AVR2:0 |
| | | 20 | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-------|----------------------------------|--------------------|
| IC201 | Short | 1-2 | Normal operation. | |
| | | 2-3 | Normal operation. | |
| | | 3-4 | No Hazard. | AVR1:0 AVR2:0 |
| | | 4-5 | No Hazard. | AVR1:0 AVR2:0 |
| | | 6-7 | No Hazard. | AVR1:0 AVR2:0 |
| | | 7-8 | No Hazard. | AVR1:0 AVR2:0 |
| | | 8-9 | No Hazard. | AVR1:0 AVR2:0 |
| | | 9-10 | No Hazard. | AVR1:0 AVR2:0 |
| | | 11-12 | No Hazard. | AVR1:0 AVR2:0 |
| | | 12-13 | No Hazard. | AVR1:0 AVR2:0 |
| | | 13-14 | Normal operation. | |
| | | 14-15 | Normal operation. | |
| | | 16-17 | Normal operation. | |
| | | 17-18 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 18-19 | No Hazard. | AVR1:0 AVR2:0 |
| | | 19-20 | No Hazard. | AVR1:0 AVR2:0 |
| IC202 | Open | 1 | No Hazard. | AVR1:0 AVR2:0 |
| | | 2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 3 | Normal operation. | |
| | | 4 | No Hazard. | AVR1:0 AVR2:0 |
| | | 5 | No Hazard. | AVR1:0 AVR2:0 |
| | | 6 | Normal operation. | |
| | Short | 1-2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 2-3 | No Hazard. | AVR1:0 AVR2:0 |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|----------------------------------|--------------------|
| IC202 | Short | 4-5 | No Hazard. | AVR1:0 AVR2:0 |
| | | 5-6 | No Hazard. | AVR1:0 AVR2:0 |
| IC203 | Open | 1 | Normal operation. | |
| | | 2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 3 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 4 | Normal operation. | |
| | | 5 | Normal operation. | |
| | | 6 | Normal operation. | |
| | | 7 | Normal operation. | |
| | | 8 | Normal operation. | |
| | Short | 1-2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 2-3 | No Hazard. | AVR1:0 AVR2:0 |
| | | 3-4 | No Hazard. | AVR1:0 AVR2:0 |
| | | 5-6 | No Hazard. | AVR1:0 AVR2:0 |
| | | 6-7 | Normal operation. | |
| | | 7-8 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| IC601 | Open | 1 | See 20 Page. | |
| | | 2 | See 20 Page. | |
| | | 3 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 4 | See 20 Page. | |
| | | 5 | See 20 Page. | |
| | | 6 | See 20 Page. | |
| | | 7 | See 20 Page. | |
| | | 8 | See 20 Page. | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|--------------------------------------|--------------------|
| IC601 | Short | 1-2 | See 20 Page. | |
| | | 2-3 | See 20 Page. | |
| | | 3-4 | See 20 Page. | |
| | | 5-6 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 6-7 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 7-8 | No Hazard. | AVR1:0 AVR2:0 |
| IC611 | Open | 1 | See 20 Page. | |
| | | 2 | See 20 Page. | |
| | | 3 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 4 | See 20 Page. | |
| | | 5 | See 20 Page. | |
| | | 6 | See 20 Page. | |
| | | 7 | See 20 Page. | |
| | | 8 | See 20 Page. | |
| | Short | 1-2 | See 20 Page. | |
| | | 2-3 | See 20 Page. | |
| | | 3-4 | See 21 Page. | |
| | | 5-6 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 6-7 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 7-8 | No Hazard. | AVR1:0 AVR2:0 |
| IC701 | Open | 1 | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | | 2 | Normal operation. | |
| | | 3 | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | | 4 | Normal operation. | |



F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|------|---|--------------------|
| IC701 | Open | 5 | Normal operation. | |
| | | 6 | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | Short | 1-2 | Normal operation. | |
| | | 2-3 | Normal operation. | |
| | | 4-5 | Normal operation. | |
| | | 5-6 | Normal operation. | |
| L101 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | Normal operation. | |
| L291 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| L501 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | Normal operation. | |
| L511 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | Normal operation. | |
| L601 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| L611 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| PC201 | Open | A, K | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | | C, E | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | Short | A-K | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | | C-E | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| PC291 | Open | A, K | Normal operation. | |
| | | C, E | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|---|--------------------|
| PC291 | Short | A-K | Normal operation. | |
| | | C-E | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R101 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R102 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R103 | Open | | Normal operation. | |
| R111 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R141 | Open | | Normal operation. | |
| R143 | Open | | Normal operation. | |
| R201 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R202 | Open | | Normal operation. | |
| R203 | Open | | Normal operation. | |
| R204 | Open | | Normal operation. | |
| R211 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R212 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R213 | Open | | Normal operation. | |
| R214 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| R221 | Open | | Normal operation. | |
| R222 | Open | | Normal operation. | |
| R223 | Open | | Normal operation. | |
| R224 | Open | | Normal operation. | |
| R225 | Open | | Normal operation. | |
| R231 | Open | | Normal operation. | |
| R232 | Open | | Normal operation. | |
| R241 | Open | | No Hazard. | AVR1:0 AVR2:0 |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|------|---|----------------------------------|
| R242 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R244 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| R251 | Open | Normal operation. | |
| R252 | Open | Normal operation. | |
| R253 | Open | Normal operation. | |
| R254 | Open | Normal operation. | |
| R255 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R256 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R258 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R261 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R262 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R271 | Open | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| R272 | Open | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| R273 | Open | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| R274 | Open | Normal operation. | |
| R275 | Open | Normal operation. | |
| R276 | Open | Normal operation. | |
| R277 | Open | Normal operation. | |
| R281 | Open | Normal operation. | |
| R282 | Open | Normal operation. | |
| R283 | Open | Normal operation. | |
| R291 | Open | Normal operation. | |
| R292 | Open | Normal operation. | |
| R293 | Open | No Hazard. | AVR1:0 AVR2:0 |

F M E A

| Component | Mode | Comment | Output Voltage (V) |
|-----------|------|---|----------------------------------|
| R296 | Open | Normal operation. | |
| R501 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R502 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R505 | Open | Normal operation. | |
| R511 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R512 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R515 | Open | Normal operation. | |
| R601 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R603 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R606 | Open | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| R607 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R609 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R611 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R613 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R616 | Open | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| R617 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R619 | Open | No Hazard. | AVR1:0 AVR2:0 |
| R701 | Open | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R702 | Open | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R704 | Open | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R711 | Open | Normal operation. | |
| R712 | Open | Normal operation. | |
| R713 | Open | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R714 | Open | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|---|----------------------------------|
| R715 | Open | | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| R716 | Open | | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| R717 | Open | | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| R731 | Open | | Normal operation. | |
| R733 | Open | | Normal operation. | |
| SS251 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| SS601 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| SS611 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| TH231 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| TR101 | Open | D | See 21 Page. | |
| | | S | See 21 Page. | |
| | | G | See 21 Page. | |
| | Short | D-S | See 21 Page. | |
| | | S-G | See 21 Page. | |
| | | G-D | See 21 Page. | |
| TR141 | Open | D | Normal operation. | |
| | | S | Normal operation. | |
| | | G | Normal operation. | |
| | Short | D-S | Normal operation. | |
| | | S-G | Normal operation. | |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|----------------------------------|--------------------|
| TR141 | Short | G-D | Normal operation. | |
| TR221 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | E-B | No Hazard. | AVR1:0 AVR2:0 |
| | | B-C | No Hazard. | AVR1:0 AVR2:0 |
| TR222 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | E-B | No Hazard. | AVR1:0 AVR2:0 |
| | | B-C | No Hazard. | AVR1:0 AVR2:0 |
| TR501 | Open | D | No Hazard. | AVR1:0 AVR2:0 |
| | | S | No Hazard. | AVR1:0 AVR2:0 |
| | | G | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | Short | D-S | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | S-G | No Hazard. | AVR1:0 AVR2:0 |
| | | G-D | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| TR511 | Open | D | No Hazard. | AVR1:0 AVR2:0 |
| | | S | No Hazard. | AVR1:0 AVR2:0 |
| | | G | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | Short | D-S | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | S-G | No Hazard. | AVR1:0 AVR2:0 |

F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|---|----------------------------------|
| TR511 | Short | G-D | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| ZD221 | Open | | No Hazard. | AVR1:0 AVR2:0 |
| | Short | | Normal operation. | |
| ZD271 | Open | | Normal operation. | |
| | Short | | Output voltage decreased. No hazard. | AVR1:decreased AVR2:decreased |
| ZD281 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 AVR2:0 |
| ZD711 | Open | | Output voltage increased. No hazard. | AVR1:0 AVR2:0 |
| | Short | | Normal operation. | |
| ZD731 | Open | | Normal operation. | |
| | Short | | No Hazard. | |
| ZD732 | Open | | Normal operation. | |
| | Short | | No Hazard. | |
| ZD733 | Open | | Normal operation. | |
| | Short | | No Hazard. | |

ABNORMAL TEST RESULT

| Component | Mode | Comment | Output Voltage (V) |
|-----------|-------|----------------------------------|--------------------|
| C101 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C102 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C103 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C104 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C105 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C111 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C112 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C113 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C114 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C115 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C116 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C117 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C118 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C119 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C120 | Short | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| C501 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C502 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C503 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C504 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C505 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C511 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C512 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C531 | Short | No Hazard. | AVR1:0 AVR2:0 |
| C532 | Short | No Hazard. | AVR1:0 AVR2:0 |

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|----------------------------------|--------------------|
| C533 | Short | | No Hazard. | AVR1:0 AVR2:0 |
| C534 | Short | | No Hazard. | AVR1:0 AVR2:0 |
| C535 | Short | | No Hazard. | AVR1:0 AVR2:0 |
| C541 | Short | | No Hazard. | AVR1:0 AVR2:0 |
| C542 | Short | | No Hazard. | AVR1:0 AVR2:0 |
| IC601 | Open | 1 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 2 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 4 | No Hazard. | AVR1:0 AVR2:0 |
| | | 5 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 6 | No Hazard. | AVR1:0 AVR2:0 |
| | | 7 | No Hazard. | AVR1:0 AVR2:0 |
| | | 8 | No Hazard. | AVR1:0 AVR2:0 |
| | Short | 1-2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 2-3 | No Hazard. | AVR1:0 AVR2:0 |
| | | 3-4 | No Hazard. | AVR1:0 AVR2:0 |
| IC611 | Open | 1 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 2 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 4 | No Hazard. | AVR1:0 AVR2:0 |
| | | 5 | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | 6 | No Hazard. | AVR1:0 AVR2:0 |
| | | 7 | No Hazard. | AVR1:0 AVR2:0 |
| | | 8 | No Hazard. | AVR1:0 AVR2:0 |
| | Short | 1-2 | No Hazard. | AVR1:0 AVR2:0 |
| | | 2-3 | No Hazard. | AVR1:0 AVR2:0 |



ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|-----------|-------|-----|----------------------------------|--------------------|
| IC611 | Short | 3-4 | No Hazard. | AVR1:0 AVR2:0 |
| TR101 | Open | D | No Hazard. | AVR1:0 AVR2:0 |
| | | S | No Hazard. | AVR1:0 AVR2:0 |
| | | G | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | Short | D-S | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |
| | | S-G | No Hazard. | AVR1:0 AVR2:0 |
| | | G-D | External Fuse opened, No hazard. | AVR1:0 AVR2:0 |