**CO$EL**

ABNORMAL TEST RESULT

OF MODEL SFLS1548

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                :   2/25 ～ 21/25)
       ( Abnormal Test Result: 22/25 ～ 25/25)

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.

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## F  M  E  A

| Component | Mode | Comment | Output Voltage (V) |
|---|---|---|---|
| C101 | Open | Normal operation. | |
| | Short | External Fuse opened, No hazard. | AVR1:0 |
| C102 | Open | Normal operation. | |
| | Short | External Fuse opened or L101 opened, No hazard. | AVR1:0 |
| C106 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C107 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C108 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C111 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C112 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C113 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C151 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C152 | Open | No Hazard. | AVR1:0 |
| | Short | See  22 Page. | |
| C201 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C202 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |

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F M E A

| Component | Mode | Comment | Output Voltage (V) |
|---|---|---|---|
| C203 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C204 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C221 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C222 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C223 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C224 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C225 | Open | Normal operation. | |
| | Short | No Hazard. | AVR1:0 |
| C226 | Open | Normal operation. | |
| | Short | Normal operation. | |
| C301 | Open | No Hazard. | AVR1:0 |
| | Short | No Hazard. | AVR1:0 |
| C303 | Open | See 22 Page. | |
| | Short | No Hazard. | AVR1:0 |
| C311 | Open | No Hazard. | AVR1:0 |
| | Short | No Hazard. | AVR1:0 |
| C312 | Open | No Hazard. | AVR1:0 |
| | Short | No Hazard. | AVR1:0 |

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<div align="center"><u>F　M　E　A</u></div>

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| C313 | Open | | No Hazard. | AVR1:0 |
|  | Short | | See　22 Page. | |
| C314 | Open | | See　22 Page. | |
|  | Short | | No Hazard. | AVR1:0 |
| C331 | Open | | See　22 Page. | |
|  | Short | | See　22 Page. | |
| C333 | Open | | See　22 Page. | |
|  | Short | | No Hazard. | AVR1:0 |
| C341 | Open | | Normal operation. | |
|  | Short | | No Hazard. | AVR1:0 |
| C342 | Open | | Normal operation. | |
|  | Short | | No Hazard. | AVR1:0 |
| C352 | Open | | Normal operation. | |
|  | Short | | Normal operation. | |
| C361 | Open | except 05, 5R2, 12 | Normal operation. | |
|  | Short | except 05, 5R2, 12 | Normal operation. | |
| C381 | Open | | See　22 Page. | |
|  | Short | | No Hazard. | AVR1:0 |
| C401 | Open | | Normal operation. | |
|  | Short | | Normal operation. | |
| C421 | Open | | Normal operation. | |
|  | Short | | Normal operation. | |
| C501 | Open | except 05, 5R2 | Normal operation. | |
|  | Short | except 05, 5R2 | No Hazard. | AVR1:0 |

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## COSEL

F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| C502 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| C503 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| C504 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| C506 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| C511 | Open | except 2R5,05,5R2 | Normal operation. | |
| | Short | except 2R5,05,5R2 | No Hazard. | AVR1:0 |
| C512 | Open | only 05,5R2 | Normal operation. | |
| | Short | only 05,5R2 | No Hazard. | AVR1:0 |
| C551 | Open | | See  22 Page. | |
| | Short | except 12 | See  22 Page. | |
| | | only 12 | Normal operation. | |
| C552 | Open | only 12 | See  22 Page. | |
| | Short | only 12 | Normal operation. | |
| C601 | Open | | See  22 Page. | |
| | Short | | No Hazard. | AVR1:0 |
| D111 | Open | | No Hazard. | AVR1:0 |
| | Short | | Normal operation. | |
| D201 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| D221 | Open | | Normal operation. | |

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## F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| D221 | Short | | No Hazard. | AVR1:0 |
| D301 | Open | | See 22 Page. | |
| | Short | | See 22 Page. | |
| D311 | Open | | Normal operation. | |
| | Short | | See 22 Page. | |
| D401 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| D402 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| D511 | Open | only 05, 5R2 | Normal operation. | |
| | Short | only 05, 5R2 | Normal operation. | |
| D551 | Open | only 1R2, 1R5 | Normal operation. | |
| | Short | only 1R2, 1R5 | See 22 Page. | |
| D601 | Open | | See 22 Page. | |
| | Short | | See 22 Page. | |
| D602 | Open | | Normal operation. | |
| | Short | | Normal operation. | |
| IC301 | Open | 1 | No Hazard. | AVR1:0 |
| | | 2 | No Hazard. | AVR1:0 |
| | | 3 | No Hazard. | AVR1:0 |
| | | 4 | No Hazard. | AVR1:0 |
| | | 5 | No Hazard. | AVR1:0 |
| | Short | 1-2 | See 22 Page. | |
| | | 2-3 | No Hazard. | AVR1:0 |

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## F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| IC301 | Short | 4-5 | No Hazard. | AVR1:0 |
| IC302 | Open | 1 | No Hazard. | AVR1:0 |
| | | 2 | No Hazard. | AVR1:0 |
| | | 3 | No Hazard. | AVR1:0 |
| | | 4 | No Hazard. | AVR1:0 |
| | | 5 | No Hazard. | AVR1:0 |
| | | 6 | No Hazard. | AVR1:0 |
| | | 7 | No Hazard. | AVR1:0 |
| | | 8 | No Hazard. | AVR1:0 |
| | Short | 1-2 | No Hazard. | AVR1:0 |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 3-4 | No Hazard. | AVR1:0 |
| | | 5-6 | No Hazard. | AVR1:0 |
| | | 6-7 | No Hazard. | AVR1:0 |
| | | 7-8 | No Hazard. | AVR1:0 |
| L101 | Open | | No Hazard. | AVR1:0 |
| | Short | | Normal operation. | |
| L111 | Open | | No Hazard. | AVR1:0 |
| | Short | | No Hazard. | AVR1:0 |
| SS111 | Open | cathode | No Hazard. | AVR1:0 |
| | | A(T101-6pin side) | No Hazard. | AVR1:0 |
| | | A(R115 side) | No Hazard. | AVR1:0 |
| | Short | A-A | No Hazard. | AVR1:0 |
| | | A(T101-6pin side)-K | No Hazard. | AVR1:0 |

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参考資料

# F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| SS111 | Short | A(R115 side)-K | No Hazard. | AVR1:0 |
| SS651 | Open | cathode | No Hazard. | AVR1:0 |
| | | A(T101-13pin side) | No Hazard. | AVR1:0 |
| | | A(T101-14pin side) | Normal operation. | |
| | Short | A-A | No Hazard. | AVR1:0 |
| | | A(T101-13pin side)-K | No Hazard. | AVR1:0 |
| | | A(T101-14pin side)-K | No Hazard. | AVR1:0 |
| TR101 | Open | D | No Hazard. | AVR1:0 |
| | | S | No Hazard. | AVR1:0 |
| | | G | No Hazard. | AVR1:0 |
| | Short | D-S | See  22 Page. | |
| | | S-G | See  22 Page. | |
| | | G-D | See  22 Page. | |
| TR111 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | See  22 Page. | |
| | | E-B | Normal operation. | |
| | | B-C | See  22 Page. | |
| TR112 | Open | C | See  23 Page. | |
| | | E | See  23 Page. | |
| | | B | See  23 Page. | |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | Normal operation. | |

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| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR112 | Short | B-C | No Hazard. | AVR1:0 |
| TR113 | Open | C(3) | Normal operation. | |
| | | E(4) | Normal operation. | |
| | | B(5) | Normal operation. | |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 |
| | | E(4)-B(5) | Normal operation. | |
| | | B(5)-C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | No Hazard. | AVR1:0 |
| | | E(1) | No Hazard. | AVR1:0 |
| | | B(2) | No Hazard. | AVR1:0 |
| | Short | C(6)-E(1) | See 23 Page. | |
| | | E(1)-B(2) | No Hazard. | AVR1:0 |
| | | B(2)-C(6) | See 23 Page. | |
| | | 2-3 | Normal operation. | |
| | | 5-6 | Normal operation. | |
| TR151 | Open | D(3) | No Hazard. | AVR1:0 |
| | | S(4) | No Hazard. | AVR1:0 |
| | | G(5) | No Hazard. | AVR1:0 |
| | | D(6) | See 23 Page. | |
| | | S(1) | See 23 Page. | |
| | | G(2) | See 23 Page. | |
| | Short | D(3)-S(4) | See 23 Page. | |
| | | S(4)-G(5) | See 23 Page. | |
| | | G(5)-D(3) | See 23 Page. | |

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F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR151 | Short | D(6)-S(1) | No Hazard. | AVR1:0 |
| | | S(1)-G(2) | See  23 Page. | |
| | | G(2)-D(6) | No Hazard. | AVR1:0 |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 5-6 | See  23 Page. | |
| TR201 | Open | C(3) | Normal operation. | |
| | | E(4) | Normal operation. | |
| | | B(5) | Normal operation. | |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 |
| | | E(4)-B(5) | Normal operation. | |
| | | B(5)-C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | Normal operation. | |
| | | E(1) | Normal operation. | |
| | | B(2) | Normal operation. | |
| | Short | C(6)-E(1) | No Hazard. | AVR1:0 |
| | | E(1)-B(2) | Normal operation. | |
| | | B(2)-C(6) | No Hazard. | AVR1:0 |
| | | 2-3 | Normal operation. | |
| | | 5-6 | Normal operation. | |
| TR202 | Open | C(3) | Normal operation. | |
| | | E(4) | Normal operation. | |
| | | B(5) | Normal operation. | |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 |
| | | E(4)-B(5) | Normal operation. | |

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参考資料

# F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR202 | Short | B(5)-C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | Normal operation. | |
| | | E(1) | Normal operation. | |
| | | B(2) | Normal operation. | |
| | Short | C(6)-E(1) | Normal operation. | |
| | | E(1)-B(2) | Normal operation. | |
| | | B(2)-C(6) | Normal operation. | |
| | | 2-3 | Normal operation. | |
| | | 5-6 | Normal operation. | |
| TR203 | Open | C(3) | Normal operation. | |
| | | E(4) | Normal operation. | |
| | | B(5) | Normal operation. | |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 |
| | | E(4)-B(5) | Normal operation. | |
| | | B(5)-C(3) | Normal operation. | |
| | Open | C(6) | No Hazard. | AVR1:0 |
| | | E(1) | No Hazard. | AVR1:0 |
| | | B(2) | No Hazard. | AVR1:0 |
| | Short | C(6)-E(1) | Normal operation. | |
| | | E(1)-B(2) | No Hazard. | AVR1:0 |
| | | B(2)-C(6) | Normal operation. | |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 5-6 | Normal operation. | |
| TR222 | Open | C(3) | Normal operation. | |

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## F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR222 | Open | E(4) | Normal operation. | |
| | | B(5) | Normal operation. | |
| | Short | C(3)−E(4) | No Hazard. | AVR1:0 |
| | | E(4)−B(5) | Normal operation. | |
| | | B(5)−C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | Normal operation. | |
| | | E(1) | Normal operation. | |
| | | B(2) | Normal operation. | |
| | Short | C(6)−E(1) | No Hazard. | AVR1:0 |
| | | E(1)−B(2) | Normal operation. | |
| | | B(2)−C(6) | No Hazard. | AVR1:0 |
| | | 2−3 | Normal operation. | |
| | | 5−6 | Normal operation. | |
| TR311 | Open | C(3) | Normal operation. | |
| | | E(4) | No Hazard. | AVR1:0 |
| | | B(5) | No Hazard. | AVR1:0 |
| | Short | C(3)−E(4) | Normal operation. | |
| | | E(4)−B(5) | Normal operation. | |
| | | B(5)−C(3) | Normal operation. | |
| | Open | C(6) | No Hazard. | AVR1:0 |
| | | E(1) | No Hazard. | AVR1:0 |
| | | B(2) | No Hazard. | AVR1:0 |
| | Short | C(6)−E(1) | No Hazard. | AVR1:0 |
| | | E(1)−B(2) | No Hazard. | AVR1:0 |

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| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR311 | Short | B(2)-C(6) | No Hazard. | AVR1:0 |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 5-6 | Normal operation. | |
| TR312 | Open | C | No Hazard. | AVR1:0 |
| | | E | No Hazard. | AVR1:0 |
| | | B | No Hazard. | AVR1:0 |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | No Hazard. | AVR1:0 |
| | | B-C | No Hazard. | AVR1:0 |
| TR331 | Open | C(3) | No Hazard. | AVR1:0 |
| | | E(4) | No Hazard. | AVR1:0 |
| | | B(5) | No Hazard. | AVR1:0 |
| | Short | C(3)-E(4) | No Hazard. | AVR1:0 |
| | | E(4)-B(5) | No Hazard. | AVR1:0 |
| | | B(5)-C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | No Hazard. | AVR1:0 |
| | | E(1) | No Hazard. | AVR1:0 |
| | | B(2) | No Hazard. | AVR1:0 |
| | Short | C(6)-E(1) | No Hazard. | AVR1:0 |
| | | E(1)-B(2) | No Hazard. | AVR1:0 |
| | | B(2)-C(6) | No Hazard. | AVR1:0 |
| | | 2-3 | No Hazard. | AVR1:0 |
| | | 5-6 | No Hazard. | AVR1:0 |
| TR332 | Open | C | No Hazard. | AVR1:0 |

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F M E A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR332 | Open | E | No Hazard. | AVR1:0 |
| | | B | No Hazard. | AVR1:0 |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | See 23 Page. | |
| | | B-C | No Hazard. | AVR1:0 |
| TR351 | Open | C(3) | No Hazard. | AVR1:0 |
| | | E(4) | No Hazard. | AVR1:0 |
| | | B(5) | No Hazard. | AVR1:0 |
| | Short | C(3)-E(4) | Normal operation. | |
| | | E(4)-B(5) | No Hazard. | AVR1:0 |
| | | B(5)-C(3) | No Hazard. | AVR1:0 |
| | Open | C(6) | Normal operation. | |
| | | E(1) | Normal operation. | |
| | | B(2) | Normal operation. | |
| | Short | C(6)-E(1) | No Hazard. | AVR1:0 |
| | | E(1)-B(2) | Normal operation. | |
| | | B(2)-C(6) | No Hazard. | AVR1:0 |
| | | 2-3 | Normal operation. | |
| | | 5-6 | No Hazard. | AVR1:0 |
| TR352 | Open | C | No Hazard. | AVR1:0 |
| | | E | No Hazard. | AVR1:0 |
| | | B | No Hazard. | AVR1:0 |
| | Short | C-E | Normal operation. | |
| | | E-B | No Hazard. | AVR1:0 |

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F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR352 | Short | B-C | No Hazard. | AVR1:0 |
| TR361 | Open | D<br>except 05, 5R2, 12 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | | S<br>except 05, 5R2, 12 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | | G<br>except 05, 5R2, 12 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | Short | D-S<br>except 05, 5R2, 12 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | | S-G<br>except 05, 5R2, 12 | No Hazard. | AVR1:0 |
| | | G-D<br>except 05, 5R2, 12 | No Hazard. | AVR1:0 |
| TR381 | Open | D | No Hazard. | AVR1:0 |
| | | S | No Hazard. | AVR1:0 |
| | | G | No Hazard. | AVR1:0 |
| | Short | D-S | No Hazard. | AVR1:0 |
| | | S-G | No Hazard. | AVR1:0 |
| | | G-D | See  23 Page. | |
| TR401 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | Normal operation. | |
| | | B-C | No Hazard. | AVR1:0 |
| TR402 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| | Short | C-E | No Hazard. | AVR1:0 |
| | | E-B | Normal operation. | |

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**COSEL**

F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR402 | Short | B-C | No Hazard. | AVR1:0 |
| TR501 | Open | D | See  23 Page. | |
| | | S | See  23 Page. | |
| | | G | See  23 Page. | |
| | Short | D-S | See  23 Page. | |
| | | S-G | See  23 Page. | |
| | | G-D | See  23 Page. | |
| TR502 | Open | D | See  23 Page. | |
| | | S | See  23 Page. | |
| | | G | See  23 Page. | |
| | Short | D-S | See  24 Page. | |
| | | S-G | See  24 Page. | |
| | | G-D | See  24 Page. | |
| TR601 | Open | D(3) | See  24 Page. | |
| | | S(4) | See  24 Page. | |
| | | G(5) | See  24 Page. | |
| | Short | D(3)-S(4) | See  24 Page. | |
| | | S(4)-G(5) | See  24 Page. | |
| | | G(5)-D(3) | See  24 Page. | |
| | Open | D(6) | Normal operation. | |
| | | S(1) | Normal operation. | |
| | | G(2) | See  24 Page. | |
| | Short | D(6)-S(1) | See  24 Page. | |
| | | S(1)-G(2) | Normal operation. | |

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**COSEL**

F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR601 | Short | G(2)-D(6) | See  24 Page. | |
| | | 2-3 | Normal operation. | |
| | | 5-6 | See  24 Page. | |
| TR602 | Open | D | See  24 Page. | |
| | | S | See  24 Page. | |
| | | G | See  24 Page. | |
| | Short | D-S | Normal operation. | |
| | | S-G | See  24 Page. | |
| | | G-D | Normal operation. | |
| ZD111 | Open | | No Hazard. | AVR1:0 |
| | Short | | No Hazard. | AVR1:0 |
| ZD112 | Open | | See  24 Page. | |
| | Short | | No Hazard. | AVR1:0 |
| ZD151 | Open | | Normal operation. | |
| | Short | | See  24 Page. | |
| ZD201 | Open | | No Hazard. | AVR1:0 |
| | Short | | No Hazard. | AVR1:0 |
| ZD221 | Open | | Normal operation. | |
| | Short | | See  24 Page. | |
| ZD401 | Open | | Normal operation. | |
| | Short | | No Hazard. | AVR1:0 |
| ZD601 | Open | | See  24 Page. | |
| | Short | | See  24 Page. | |
| ZD602 | Open | except 3R3,05,5R2,12 | Normal operation. | |

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**COSEL**

F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| ZD602 | Short | except 3R3, 05, 5R2, 12 | See  24 Page. | |
| R101 | Open | | No Hazard. | AVR1:0 |
| R111 | Open | | Normal operation. | |
| R112 | Open | | No Hazard. | AVR1:0 |
| R113 | Open | | No Hazard. | AVR1:0 |
| R114 | Open | | Normal operation. | |
| R115 | Open | | Normal operation. | |
| R116 | Open | | Normal operation. | |
| R117 | Open | except 1R5 | No Hazard. | AVR1:0 |
| R118 | Open | only 1R5 | No Hazard. | AVR1:0 |
| R124 | Open | | No Hazard. | AVR1:0 |
| R125 | Open | | No Hazard. | AVR1:0 |
| R126 | Open | | No Hazard. | AVR1:0 |
| R151 | Open | | Normal operation. | |
| R152 | Open | | No Hazard. | AVR1:0 |
| R153 | Open | | See  24 Page. | |
| R154 | Open | | Normal operation. | |
| R155 | Open | | Normal operation. | |
| R201 | Open | | No Hazard. | AVR1:0 |
| R202 | Open | | No Hazard. | AVR1:0 |
| R203 | Open | | Normal operation. | |
| R204 | Open | | No Hazard. | AVR1:0 |
| R205 | Open | | Normal operation. | |
| R206 | Open | | Normal operation. | |

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**COSEL**

F  M  E  A

| Component | Mode | Comment | Output Voltage (V) |
|---|---|---|---|
| R207 | Open | Normal operation. | |
| R208 | Open | Normal operation. | |
| R209 | Open | No Hazard. | AVR1:0 |
| R210 | Open | Normal operation. | |
| R211 | Open | Normal operation. | |
| R212 | Open | Normal operation. | |
| R213 | Open | Normal operation. | |
| R214 | Open | Normal operation. | |
| R215 | Open | No Hazard. | AVR1:0 |
| R216 | Open | No Hazard. | AVR1:0 |
| R221 | Open | Normal operation. | |
| R222 | Open | Normal operation. | |
| R223 | Open | Normal operation. | |
| R224 | Open | No Hazard. | AVR1:0 |
| R225 | Open | Normal operation. | |
| R226 | Open | No Hazard. | AVR1:0 |
| R227 | Open | Normal operation. | |
| R301 | Open | See  25 Page. | |
| R302 | Open | See  25 Page. | |
| R303 | Open | See  25 Page. | |
| R304 | Open | No Hazard. | AVR1:0 |
| R305 | Open | See  25 Page. | |
| R311 | Open | No Hazard. | AVR1:0 |
| R312 | Open | No Hazard. | AVR1:0 |

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## F　M　E　A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| R313 | Open | | No Hazard. | AVR1:0 |
| R314 | Open | | No Hazard. | AVR1:0 |
| R315 | Open | | No Hazard. | AVR1:0 |
| R316 | Open | | No Hazard. | AVR1:0 |
| R321 | Open | | No Hazard. | AVR1:0 |
| R322 | Open | | No Hazard. | AVR1:0 |
| R323 | Open | | No Hazard. | AVR1:0 |
| R325 | Open | | Normal operation. | |
| R331 | Open | | Normal operation. | |
| R332 | Open | | No Hazard. | AVR1:0 |
| R333 | Open | | See　25 Page. | |
| R334 | Open | | No Hazard. | AVR1:0 |
| R341 | Open | | No Hazard. | AVR1:0 |
| R343 | Open | | No Hazard. | AVR1:0 |
| R345 | Open | | Normal operation. | |
| R351 | Open | | Normal operation. | |
| R352 | Open | | Normal operation. | |
| R353 | Open | | Normal operation. | |
| R354 | Open | | No Hazard. | AVR1:0 |
| R355 | Open | | Normal operation. | |
| R363 | Open | except 05, 5R2, 12 | No Hazard. | AVR1:0 |
| R381 | Open | | No Hazard. | AVR1:0 |
| R401 | Open | | Normal operation. | |
| R402 | Open | | Normal operation. | |

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F  M  E  A

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| R403 | Open | | No Hazard. | AVR1:0 |
| R404 | Open | | Normal operation. | |
| R405 | Open | | Normal operation. | |
| R406 | Open | | Normal operation. | |
| R421 | Open | | Normal operation. | |
| R422 | Open | | Normal operation. | |
| R424 | Open | | Normal operation. | |
| R501 | Open | | Normal operation. | |
| R511 | Open | except 2R5 | Normal operation. | |
| R512 | Open | except 2R5 | Normal operation. | |
| R551 | Open | | See  25 Page. | |
| R552 | Open | except 12 | See  25 Page. | |
| R553 | Open | | Normal operation. | |
| R601 | Open | | Normal operation. | |
| R602 | Open | | See  25 Page. | |
| R603 | Open | | See  25 Page. | |
| R605 | Open | | Normal operation. | |
| R606 | Open | | Normal operation. | |
| R607 | Open | | Normal operation. | |
| R608 | Open | | Normal operation. | |
| R651 | Open | | See  25 Page. | |
| R652 | Open | | See  25 Page. | |

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**CO$EL**

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| C152 | Short | | No Hazard. | AVR1:0 |
| C303 | Open | | No Hazard. | AVR1:0 |
| C313 | Short | | No Hazard. | AVR1:0 |
| C314 | Open | | Normal operation. | |
| C331 | Open | | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | Short | | No Hazard. | AVR1:0 |
| C333 | Open | | Normal operation. | |
| C381 | Open | | No Hazard. | AVR1:0 |
| C551 | Open | | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | Short | except 12 | Normal operation. | |
| C552 | Open | only 12 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| C601 | Open | | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| D301 | Open | | No Hazard. | AVR1:0 |
| | Short | | No Hazard. | AVR1:0 |
| D311 | Short | | No Hazard. | AVR1:0 |
| D551 | Short | only 1R2, 1R5 | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| D601 | Open | | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| | Short | | Output voltage decreased.<br>No hazard. | AVR1:decreased |
| IC301 | Short | 1-2 | No Hazard. | AVR1:0 |
| TR101 | Short | D-S | No Hazard. | AVR1:0 |
| | | S-G | No Hazard. | AVR1:0 |
| | | G-D | No Hazard. | AVR1:0 |
| TR111 | Short | C-E | No Hazard. | AVR1:0 |
| | | B-C | No Hazard. | AVR1:0 |

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**COSEL**

## ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR112 | Open | C | Normal operation. | |
| | | E | Normal operation. | |
| | | B | Normal operation. | |
| TR113 | Short | C(6)-E(1) | Normal operation. | |
| | | B(2)-C(6) | Normal operation. | |
| TR151 | Open | D(6) | No Hazard. | AVR1:0 |
| | | S(1) | No Hazard. | AVR1:0 |
| | | G(2) | No Hazard. | AVR1:0 |
| | Short | D(3)-S(4) | No Hazard. | AVR1:0 |
| | | S(4)-G(5) | No Hazard. | AVR1:0 |
| | | G(5)-D(3) | No Hazard. | AVR1:0 |
| | | S(1)-G(2) | No Hazard. | AVR1:0 |
| | | 5-6 | No Hazard. | AVR1:0 |
| TR332 | Short | E-B | Normal operation. | |
| TR381 | Short | G-D | No Hazard. | AVR1:0 |
| TR501 | Open | D | No Hazard. | AVR1:0 |
| | | S | No Hazard. | AVR1:0 |
| | | G | No Hazard. | AVR1:0 |
| | Short | D-S | No Hazard. | AVR1:0 |
| | | S-G | Output voltage decreased. No hazard. | AVR1:decreased |
| | | G-D | No Hazard. | AVR1:0 |
| TR502 | Open | D | No Hazard. | AVR1:0 |
| | | S | No Hazard. | AVR1:0 |
| | | G | Output voltage decreased. No hazard. | AVR1:decreased |

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**COSEL**

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| TR502 | Short | D-S | No Hazard. | AVR1:0 |
| | | S-G | Output voltage decreased. No hazard. | AVR1:decreased |
| | | G-D | No Hazard. | AVR1:0 |
| TR601 | Open | D(3) | No Hazard. | AVR1:0 |
| | | S(4) | No Hazard. | AVR1:0 |
| | | G(5) | No Hazard. | AVR1:0 |
| | Short | D(3)-S(4) | Output voltage decreased. No hazard. | AVR1:decreased |
| | | S(4)-G(5) | No Hazard. | AVR1:0 |
| | | G(5)-D(3) | Output voltage decreased. No hazard. | AVR1:decreased |
| | Open | G(2) | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | D(6)-S(1) | Output voltage decreased. No hazard. | AVR1:decreased |
| | | G(2)-D(6) | Output voltage decreased. No hazard. | AVR1:decreased |
| | | 5-6 | No Hazard. | AVR1:0 |
| TR602 | Open | D | Output voltage decreased. No hazard. | AVR1:decreased |
| | | S | Output voltage decreased. No hazard. | AVR1:decreased |
| | | G | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | S-G | No Hazard. | AVR1:0 |
| ZD112 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |
| ZD151 | Short | | No Hazard. | AVR1:0 |
| ZD221 | Short | | No Hazard. | AVR1:0 |
| ZD601 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |
| | Short | | Normal operation. | |
| ZD602 | Short | except 3R3, 05, 5R2, 12 | Output voltage decreased. No hazard. | AVR1:decreased |
| R153 | Open | | No Hazard. | AVR1:0 |

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参考資料

# COSEL

ABNORMAL TEST RESULT

| Component | Mode | | Comment | Output Voltage (V) |
|---|---|---|---|---|
| R301 | Open | | No Hazard. | AVR1:0 |
| R302 | Open | | No Hazard. | AVR1:0 |
| R303 | Open | | No Hazard. | AVR1:0 |
| R305 | Open | | No Hazard. | AVR1:0 |
| R333 | Open | | No Hazard. | AVR1:0 |
| R551 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |
| R552 | Open | except 12 | Output voltage decreased. No hazard. | AVR1:decreased |
| R602 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |
| R603 | Open | | No Hazard. | AVR1:0 |
| R651 | Open | | Normal operation. | |
| R652 | Open | | Output voltage decreased. No hazard. | AVR1:decreased |

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