

## ABNORMAL TEST RESULT

OF MODEL LDC30F-11. Did Cheese Cloth or Paper Glow?

No.

2. Did Ground Fuse Open?

No.

3. Dielectric breakdown

No.

4. Other Results

See the following pages (1/10~10/10).

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.

ABNORMAL TEST RESULT

| Component | Mode  | Comment                                 | Output Voltage (V) |
|-----------|-------|---|--------------------|
| C11       | Open  | Normal operation.                       |                    |
|           | Short | F11 opened. No hazard.                  | 0V                 |
| C12       | Open  | Output voltage decreased.<br>No hazard. |                    |
|           | Short | F11 opened. No hazard.                  | 0V                 |
| C15       | Open  | F11 opened, No hazard.                  | 0V                 |
|           | Short | Normal operation.                       |                    |
| C16       | Open  | Normal operation.                       |                    |
|           | Short | Normal operation.                       |                    |
| C17       | Open  | Output voltage decreased.<br>No hazard. | 0V                 |
|           | Short | F11 opened. No hazard.                  | 0V                 |
| C18       | Open  | Normal operation.                       |                    |
|           | Short | Normal operation.                       |                    |
| C19       | Open  | Normal operation.                       |                    |
|           | Short | Normal operation.                       |                    |
| C51~C53   | Open  | Normal operation.                       |                    |
|           | Short | Output voltage decreased.<br>No hazard. |                    |

ABNORMAL TEST RESULT

| Component  | Mode  | Comment                                      | Output Voltage (V) |
|------------|-------|--|--------------------|
| C54        | Open  | Normal operation.                            |                    |
|            | Short | Output voltage decreased.<br>No hazard.      |                    |
| C55        | Open  | Normal operation.                            |                    |
|            | Short | No hazard.                                   | 0V                 |
| C57        | Open  | AVR1 Output voltage decreased.<br>No hazard. |                    |
|            | Short | Output voltage decreased.<br>No hazard.      |                    |
| C71<br>C72 | Open  | Normal operation.                            |                    |
|            | Short | F11 opened. No hazard.                       | 0V                 |
| C73        | Open  | AVR3 Output voltage decreased.<br>No hazard. |                    |
|            | Short | F11 opened. No hazard.                       | 0V                 |
| C74        | Open  | Normal operation.                            |                    |
|            | Short | Output voltage decreased.<br>No hazard.      |                    |
| C75        | Open  | Normal operation.                            |                    |
|            | Short | Output voltage decreased.<br>No hazard.      |                    |

ABNORMAL TEST RESULT

| Component  | Mode  | Comment                                      | Output Voltage (V) |
|------------|-------|--|--------------------|
| D11        | Open  | Normal operation.                            |                    |
|            | Short | Normal operation.                            |                    |
| D51        | Open  | No hazard.                                   | 0V                 |
|            | Short | Output voltage decreased.<br>No hazard.      |                    |
| D71        | Open  | Output voltage decreased.<br>No hazard.      | AVR2...0V          |
|            | Short | F11 opened. No hazard.                       | 0V                 |
| D72<br>D73 | Open  | No hazard.                                   | 0V                 |
|            | Short | F11 opened. No hazard.                       | 0V                 |
| D74        | Open  | Normal operation.                            |                    |
|            | Short | Normal operation.                            |                    |
| D75<br>D76 | Open  | AVR2 Output voltage decreased.<br>No hazard. |                    |
|            | Short | Normal operation.                            |                    |
| D77        | Open  | Normal operation.                            |                    |
|            | Short | Output voltage decreased.<br>No hazard.      | 0V                 |

ABNORMAL TEST RESULT

| Component | Mode  | Comment                                 |   | Output Voltage (V) |
|-----------|-------|---|---|--------------------|
| D78       | Open  | Normal operation.                       |   |                    |
|           | Short | Output voltage decreased.<br>No hazard. |   | 0V                 |
| F11       | Open  | No hazard.                              |   | 0V                 |
|           | Short | Normal operation.                       |   |                    |
| IC51      | Open  | A                                       | No hazard.                                | 0V                 |
|           | Short | R-A                                     | No hazard.                                | 0V                 |
| IC51      | Open  | R                                       | No hazard.                                | 0V                 |
|           | Short | K-R                                     | Output voltage decreased.<br>No hazard.   |                    |
| IC51      | Open  | K                                       | No hazard.                                | 0V                 |
|           | Short | A-K                                     | Output voltage decreased.<br>No hazard.   |                    |
| IC71      | Open  | R                                       | AVR2 Output voltage increased. No hazard. |                    |
|           | Short | G-R                                     | Output voltage decreased.<br>No hazard.   |                    |
| IC71      | Open  | I                                       | Output voltage decreased.<br>No hazard.   | AVR2...0V          |
|           | Short | I-O                                     | AVR2 Output voltage increased. No hazard. |                    |

ABNORMAL TEST RESULT

| Component | Mode  | Comment                |  | Output Voltage (V) |
|-----------|-------|------------------------|--|--------------------|
| IC71      | Open  | 0                      | Output voltage decreased.<br>No hazard.      | AVR2...0V          |
|           | Short | 0-G                    | Output voltage decreased.<br>No hazard.      |                    |
| IC71      | Open  | G                      | No hazard.                                   | AVR2...0V          |
| IC72      | Open  | 0                      | Output voltage decreased.<br>No hazard.      | AVR3...0V          |
|           | Short | G-I                    | F11 opened. No hazard.                       | 0V                 |
| IC72      | Open  | G                      | AVR3 Output voltage<br>increased. No hazard. |                    |
|           | Short | I-0                    | AVR3 Output voltage<br>increased. No hazard. |                    |
| IC72      | Open  | I                      | Output voltage decreased.<br>No hazard.      | AVR3...0V          |
|           | Short | 0-G                    | Output voltage decreased.<br>No hazard.      |                    |
| L11       | Open  | No hazard.             |  | 0V                 |
|           | Short | F11 opened. No hazard. |  | 0V                 |
| L51       | Open  | No hazard.             |  | 0V                 |
|           | Short | Normal operation       |  |                    |

ABNORMAL TEST RESULT

| Component | Mode  | Comment                |                   | Output Voltage (V) |
|-----------|-------|------------------------|-------------------|--------------------|
| PC11      | Open  | TR                     | No hazard.        | 0V                 |
|           | Short |                        | No hazard.        | 0V                 |
| PC11      | Open  | LED                    | No hazard.        | 0V                 |
|           | Short |                        | No hazard.        | 0V                 |
| PC12      | Open  | K                      | Normal operation. |                    |
|           | Short | A-K                    | No hazard.        | 0V                 |
| PC12      | Open  | G                      | Normal operation. |                    |
|           | Short | K-G                    | Normal operation. |                    |
| PC12      | Open  | A                      | Normal operation. |                    |
|           | Short | G-A                    | No hazard.        | 0V                 |
| PC12      | Open  | LED                    | Normal operation. |                    |
|           | Short |                        | Normal operation. |                    |
| R11~R13   | Open  | Normal operation.      |                   |                    |
| R14~R21   | Open  | Normal operation.      |                   |                    |
| R22       | Open  | Normal operation.      |                   |                    |
| R23       | Open  | Normal operation.      |                   |                    |
| R24       | Open  | No hazard.             |                   | 0V                 |
| R25~R32   | Open  | F11 opened. No hazard. |                   | 0V                 |

## ABNORMAL TEST RESULT

| Component  | Mode | Comment                                      | Output Voltage (V) |
|------------|------|--|--------------------|
| R33        | Open | Normal operation.                            |                    |
| R34        | Open | Normal operation.                            |                    |
| R35        | Open | No hazard.                                   | 0V                 |
| R36~R44    | Open | Normal operation.                            |                    |
| R51        | Open | Normal operation.                            |                    |
| R52        | Open | No hazard.                                   | 0V                 |
| R53        | Open | Normal operation.                            |                    |
| R54        | Open | AVR1 Output voltage decreased.<br>No hazard. |                    |
| R55        | Open | No hazard.                                   | 0V                 |
| R56<br>R57 | Open | Output voltage decreased.<br>No hazard.      |                    |
| R58~R61    | Open | Normal operation.                            |                    |
| R71<br>R72 | Open | Normal operation.                            |                    |
| R73        | Open | AVR2 Output voltage increased.<br>No hazard. |                    |
| R74<br>R75 | Open | AVR2 Output voltage decreased.<br>No hazard. |                    |
| R76<br>R77 | Open | Normal operation.                            |                    |



## ABNORMAL TEST RESULT

| Component   | Mode  | Comment                                      | Output Voltage (V) |
|-------------|-------|--|--------------------|
| R78~R80     | Open  | Normal operation.                            |                    |
| SS11        | Open  | No hazard.                                   | 0V                 |
|             | Short | F11 opened. No hazard.                       | 0V                 |
| SS51        | Open  | No hazard.                                   | 0V                 |
|             | Short | F11 opened. No hazard.                       | 0V                 |
| T11         | Open  | F11 opened. No hazard.                       | 0V                 |
| ⑤-⑥         | Short | F11 opened. No hazard.                       | 0V                 |
| T11         | Open  | No hazard.                                   | 0V                 |
| ⑦-⑧         | Short | F11 opened. No hazard.                       | 0V                 |
| T11         | Open  | No hazard.                                   | 0V                 |
| ②-④         | Short | F11 opened. No hazard.                       | 0V                 |
| T11<br>⑨-⑩  | Open  | Output voltage decreased.<br>No hazard.      |                    |
|             | Short | F11 opened. No hazard.                       | 0V                 |
| T11<br>⑪-⑫  | Open  | Output voltage decreased.<br>No hazard.      |                    |
| T11<br>⑩, ⑪ | Open  | AVR2 Output voltage decreased.<br>No hazard. |                    |
| TH11        | Open  | No hazard.                                   | 0V                 |

ABNORMAL TEST RESULT

| Component | Mode  | Comment                |                        | Output Voltage (V) |
|-----------|-------|------------------------|------------------------|--------------------|
| TR11      | Open  | G                      | No hazard.             | 0V                 |
|           | Short | G-D                    | F11 opened. No hazard. | 0V                 |
| TR11      | Open  | D                      | No hazard.             | 0V                 |
|           | Short | D-S                    | F11 opened. No hazard. | 0V                 |
| TR11      | Open  | S                      | No hazard.             | 0V                 |
|           | Short | S-G                    | No hazard.             | 0V                 |
| TR12      | Open  | c                      | F11 opened. No hazard. | 0V                 |
|           | Short | e-b                    | F11 opened. No hazard. | 0V                 |
| TR12      | Open  | e                      | F11 opened. No hazard. | 0V                 |
|           | Short | c-e                    | No hazard.             | 0V                 |
| TR12      | Open  | b                      | F11 opened. No hazard. | 0V                 |
|           | Short | b-c                    | No hazard.             | 0V                 |
| ZD11      | Open  | Normal operation.      |                        |                    |
|           | Short | Normal operation.      |                        |                    |
| ZD12      | Open  | Normal operation.      |                        |                    |
|           | Short | No hazard.             |                        | 0V                 |
| ZD13      | Open  | Normal operation.      |                        |                    |
|           | Short | No hazard.             |                        | 0V                 |
| ZD51      | Open  | Normal operation.      |                        |                    |
|           | Short | No hazard.             |                        | 0V                 |
| ZD71      | Open  | Normal operation.      |                        |                    |
|           | Short | F11 opened. No hazard. |                        | 0V                 |