

## SPECIFICATION

**CUSTOMER :** \_\_\_\_\_

**MODULE NO.:**                     **WICCFL4 #**                    

|   |  |
|---|--|
| <p style="text-align: center; font-weight: bold; font-size: 1.2em;">APPROVED BY:</p> <p style="text-align: center;">( FOR CUSTOMER USE ONLY )</p> | <p style="text-align: center;">PCB VERSION:                      DATA:</p> |
|---|--|

| SALES BY            | APPROVED BY | CHECKED BY | PREPARED BY |
|---------------------|-------------|------------|-------------|
|                     |             |            |             |
| <b>ISSUED DATE:</b> |             |            |             |

|                            |                         |
|----------------------------|-------------------------|
|                            | MODLE NO :              |
| <b>RECORDS OF REVISION</b> | <b>DOC. FIRST ISSUE</b> |

| VERSION | DATE       | REVISED<br>PAGE NO. | SUMMARY     |
|---------|------------|---------------------|-------------|
| 0       | 2006.07.11 |                     | First issue |

W: for Newhaven graphic LCD version "W"

I: Voltage inverter

CCFL: for CCFL backlight

4: version 4 = 5Vdc in, 220Vrms out

#: RoHS compliant

## 1. GENERAL

This specification is applied to WICCFL4# as driver for CCFL.

## 2. INPUT CHARACTERISTICS

| Parameter     | Symbol          | Min | Nom  | Max | Unit | Remark              |
|---------------|-----------------|-----|------|-----|------|---------------------|
| Input Voltage | V <sub>in</sub> | 4.5 | 5.0  | 5.5 | V    |                     |
| Input Current | I <sub>in</sub> | —   | —    | 450 | mA   | V <sub>in</sub> =5V |
| Input Power   | P <sub>in</sub> | —   | 2.25 | —   | W    | V <sub>in</sub> =5V |

## 3. OUTPUT CHARACTERISTICS

| Parameter         | Symbol         | Min | Nom    | Max | Unit             | Remark                |
|-------------------|----------------|-----|--------|-----|------------------|-----------------------|
| Output Voltage    | V <sub>o</sub> |     | 220    |     | V <sub>rms</sub> | V <sub>in</sub> =5.0V |
| Start Voltage     | V <sub>v</sub> | 400 | 500    | 600 |                  |                       |
| Tube Current      | I <sub>L</sub> | 5.2 | 5.7    | 6.2 | mA               | V <sub>in</sub> =5.0V |
| Working Frequency | f              | 32  | 35     | 42  | KHz              |                       |
| Life Time         | Hrs.           |     | 20,000 |     | Hrs              | DC 5.5V<br>continue   |

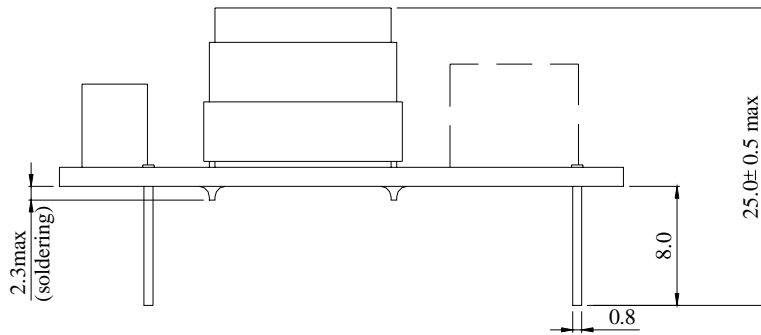
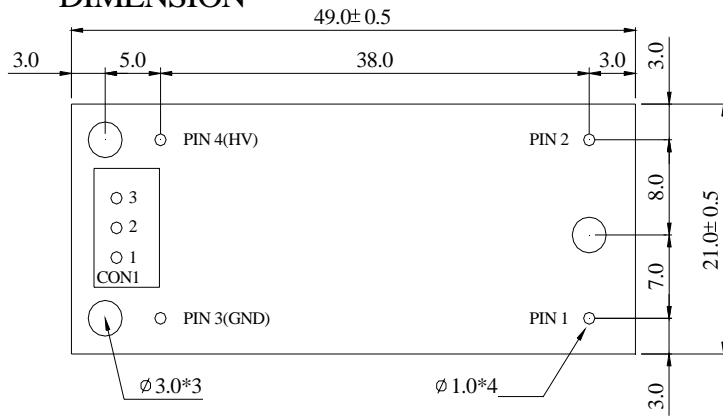
NOTE: All conditions are at 25°C ambient unless otherwise specified.

## 4. GENERAL SPECIFICATIONS

- a. Temperature operating : -10~85°C
- b. Temperature storage : -20~85°C
- C. Humidity operating : -10~95%RH
- D. Humidity storage : -20~95%RH

# WICCFL4

## DIMENSION



## PIN ASSIGNMENT

UNIT: mm

### INPUT CONNECTOR

| PIN NUMBER | FUNCTION |
|------------|----------|
| PIN 1      | V+       |
| PIN 2      | GND      |

### OUTPUT(CON1) CONNECTOR 2532-03

| PIN NUMBER | FUNCTION |
|------------|----------|
| 1          | GND      |
| 2          | NC       |
| 3          | HV       |

The non-specified tolerance of dimension is  $\pm 0.3\text{mm}$