

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 90.5x50.0 | mm |
| Viewing Area | 67.0x40.0 | mm |
| Dot Pitch | 0.46x0.55 | mm |

Absolute Maximum Rating

| Item | Symbol | Standard Value | | | Unit |
|---------------|---------|----------------|------|------|------|
| | | min. | typ. | max. | |
| Power Supply | VDD-VSS | 2.7 | 3.0 | 3.3 | V |
| Input Voltage | VI | 0 | --- | VDD | V |

Note : VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

| Item | Symbol | Condition | Standard Value | | | Unit |
|--|--------|------------------|----------------|------|------|------|
| | | | min. | typ. | max. | |
| Input Voltage | VDD | VDD=+5V | 2.7 | 3.0 | 3.3 | V |
| Supply Current | IDD | VDD=5V | --- | 0.6 | 0.8 | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | -20°C | 8.7 | 8.8 | 8.9 | V |
| | | 0°C | 8.5 | 8.6 | 8.7 | |
| | | 25°C | 8.4 | 8.5 | 8.6 | |
| | | 50°C | 8.1 | 8.2 | 8.4 | |
| LED Forward Voltage | VF | 25°C | --- | 3.5 | 3.8 | V |
| | | | | | | |
| LED Forward Current | IF | 25°C | --- | 20 | --- | mA |
| EL Power Supply Current | IEL | Vel=110VAC;400Hz | --- | --- | 5.0 | mA |

Feature

1. Controller:EPSON SED15605 (or equivalent)
2. +3.0V power supply
3. 1/64 duty cycle
4. Built-in NV.

| Pin NO. | Symbol | Function |
|---------|--------|-------------------------------------|
| 1 | Vss | GND |
| 2 | Vdd | Power Supply(+3.0V) |
| 3 | Vo | Contrast Adjustment |
| 4 | Ao | H/L:data/command select signal |
| 5 | R/W | H/L Read/Write signal |
| 6 | E | H→L Enable signal |
| 7 | DB0 | DB0 Data bus line |
| 8 | DB1 | DB1 Data bus line |
| 9 | DB2 | DB2 Data bus line |
| 10 | DB3 | DB3 Data bus line |
| 11 | DB4 | DB4 Data bus line |
| 12 | DB5 | DB5 Data bus line |
| 13 | DB6 | DB6 Data bus line |
| 14 | DB7 | DB7 Data bus line |
| 15 | CS1 | Low:Chip enable |
| 16 | P/S | H/L:parallel data/serial data input |
| 17 | RST | Reset signal |
| 18 | C86 | H/L:6800 MPU/8080 MPU interface |
| 19 | A | +3.5V for LED |
| 20 | K | 0V for LED |

Graphic type

RT12864C Graphic 128x64 dots

Dimension drawing

