



## Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller RW1063
4. +5V single power supply
5. 1/16 duty cycle
6. LED B/L pins:15/16,or A/K or 1/2
7. Option: LED array / edge B/L
8. Option: +3.0V single power supply
9. Option: Negative voltage
10. SPI interface only



## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 36.0    | mm   |
| View Area        | 66.0 x 16.0    | mm   |
| Dot Size         | 0.56 x 0.66    | mm   |
| Dot Pitch        | 2.96 x 5.56    | mm   |

## Pin Assignment

| Pin  | Symbol | Function  |
|------|--------|---|
| 1    | Vss    | Ground  |
| 2    | Vdd    | +5V(+3V option)   |
| 3    | Vo     | Contrast control  |
| 4    | RS     | H/L register select signal                              |
| 5~11 | NC     | No connection   |
| 12   | CSB    | Chip selection, active Low                              |
| 13   | SCLK   | Serial clock input                                      |
| 14   | SID    | Serial data input                                       |
| 15   | A      | Power supply for B/L ( + ) /<br>Negative voltage output |
| 16   | K      | Power supply for B/L (GND )                             |

## Electronic Characteristics

| Item                              | Symbol | Condition | Typical Value | Unit |
|-----------------------------------|--------|-----------|---------------|------|
| Input Voltage                     | VDD    | VDD=+5V   | 5.0           | V    |
| Supply Current                    | IDD    | VDD=+5V   | 3.0           | mA   |
| LCD Driving Voltage               | Vdd-Vo | 25°C      | 4.0           | V    |
| LED Forward Voltage(yellow-green) | VF     | 25°C      | 4.2           | V    |
| LED Forward Current               | IF     | 25°C      | 110           | mA   |

## Dimension

