

### Feature

1. COG with SMT
2. 5.0 V single power supply (Typ.)
3. 5x7 dots with cursor
4. Built-in controller: Compatible with HD44780/ST7066U
5. Color: White/Yellow
6. Support MCU interfaces:
  - 4 / 8-bit 6800 series parallel interface (STD)
  - I<sup>2</sup>C interface (Option)
7. Operating temperatures: -40°C to 80°C
8. 4 sets of CGROM (hardware selectable)
  - ENGLISH/JAPANESE
  - ENGLISH/CYRILLIC
  - ENGLISH/EUROPEAN I
  - ENGLISH/EUROPEAN II



### Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 30.0    | mm   |
| Active Area      | 56.22 x 11.52  | mm   |
| Dot Size         | 0.57 x 0.67    | mm   |
| Character Size   | 2.97 x 5.57    | mm   |

### Electronic Characteristics

| Item              | Symbol | Condition           | Typical Value | Unit |
|-------------------|--------|---------------------|---------------|------|
| Input Voltage     | Vdd    | Vdd=+5.0V           | 5.0           | V    |
| Supply Current    | Idd    | Vdd=+5.0V           | 30.0          | mA   |
| Life Time(White)  |        | 80cd/m <sup>2</sup> | 70K           | hrs  |
| Life Time(Yellow) |        | 80cd/m <sup>2</sup> | 100K          | hrs  |

### Pin Assignment

| Pin  | Symbol | Level | Description                               |
|------|--------|-------|-------------------------------------------|
| 1    | VDD    | 5.0V  | Supply voltage for logic.                 |
| 2    | GND    | 0V    | Ground                                    |
| 3    | NC     | -     | -                                         |
| 4    | RS     | H/L   | H:DATA , L:Instruction code               |
| 5    | R/W    | H/L   | H:Read(MPU←Module)<br>L:Write(MPU→Module) |
| 6    | E      | H→L   | Chip enable signal                        |
| 7-14 | DB0~7  | H/L   | Data bit 0~7                              |
| 15   | NC     | -     | -                                         |
| 16   | NC     | -     | -                                         |

### Dimension

