

# BL1602HM



## 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	84.0 x 44.0	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	V <sub>dd</sub>	V <sub>dd</sub> =+5.0V	5.0	V
Supply Current	I <sub>dd</sub>	V <sub>dd</sub> =+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	GND	0V	Ground
2	VDD	5.0V	Supply voltage for logic .
3	NC	-	-
4	RS	H/L	H: DATA , L: Instruction code
5	R/W	H/L	H: Read (MPU←Module) 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

