# UJ Light Technologies

## 🔇 Feature

- 1. COB with metal frame
- 2. 5x7 dots with cursor
- 3. Built-in controller ST7066 or equivalent
- 4. + 5V single power supply
- 5. 1/16 duty cycle
- 6. LED B/L pins: 17/18, or A/K, or 13/14
- 7. Option: LED, EL B/L
- 8. Option: +3V single power supply
- 9. Option: Negative Voltage

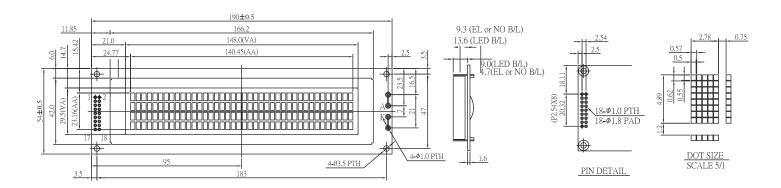
#### Mechanical Data

ltem	Standard Value	Unit
Module Dimension	190.0 x 54.0	mm
Viewing Area	147.0 x 29.5	mm
Dot Size	0.5 x 0.55	mm
Character Size	2.78 x 4.89	mm

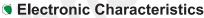
#### Pin Assignment

Pin	Symbol	Function		
1~8	DB7~0	Data bus line		
9	E1	H> L enable signal ic1		
10	R/W	H/L read/write		
11	RS	register select		
12	Vo	contrast adjustment		
13	Vss	GND		
14	Vdd	+5V (+3V option)		
15	E2	H> L enable signal ic2		
16	NC/Vee	NC/Negative voltage output		
17	А	Power supply for B/L (+)		
18	К	Power supply for B/L (GND)		

### Dimension







Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	ldd	Vdd = +5V	1.6	mΑ
LCD Driving Voltage	Vdd-Vo	25 <sup>0</sup> C	4.5	V
LED Forward Voltage (yellow-green)	Vf	25 <sup>0</sup> C	4.2	V
LED Forward Current	lf	25 <sup>0</sup> C	600	mA
EL Power Voltage	Vel	Vel=110Vac	/400Hz	V