

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: 15/16, or A/K, or 1/2 7. Option: LED array/edge B/L, EL B/L
- 8. Option: +3V single power supply
- 9. Option: Negative Voltage
- 10. Option: LCD Vop fix on 5V (-20 °C~+70 °C)



Mechanical Data

Item	Standard Value	Unit
Module Dimension	85.0 x 36.0	mm
Viewing Area	66.0 x 16.0	mm
Dot Size	0.56 x 0.66	mm
Character Size	2.96 x 5.56	mm

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V (+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	H/L read/write signal
6	Ш	H> L enable signal
7~14	DB0~7	H/L data bus line
15	A/Vee	Power Supply for B/L(+)/
		Negative voltage output
16	K	Power supply for B/L (GND)

Dimension

Electronic Characteristics

Item	Symbol	Condition	Value		Unit
Input Voltage	Vdd	Vdd = +5V	5.0		V
Supply Current	Idd	Vdd = +5V	1.2		mΑ
	Vdd-Vo		TYP	Option	
LCD Driving		70°C	3.6	5.0	
Voltage		25°C	4.0	5.0	V
		-20°C	5.0	5.0	
LED Forward	Vf	25°C	4.2		V
Voltage(yellow-green)	VI	25 C			v
Array LED	lf	25°C	100		mA
Forward Current	III	11 23 0			
Edge LED		25°C	20		~ ^
Forward Current	lf	25 0			mA
EL Power		\/al=440\/aa/400\ =		٧	
Voltage	Vel Vel=110Vac/400Hz			JHZ	V

