

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/BL
- 8. Option: +3V single power supply
- 9. Option: Negative Voltage
- 10.Option: LCD Vop Fix on 5V (-20°C~+70°C)



Mechanical Data

ltem	Standard Value	Unit
Module Dimension	80.0 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	E	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)		

Electronic Characteristics

Item	Symbol	Condition	Value		Unit
Input Voltage	Vdd	Vdd = +5V	5.0		V
Supply Current	ldd	Vdd = +5V	1.2		mΑ
LCD Driving	Vdd-Vo		TYP	Option	.,
		70°C	3.6	5.0	
Voltage		25°C	4.0	5.0	V
		-20°C	5.0	5.0	
LED Forward Voltage	Vf	25°C	4.2		٧
Array LED Forward Current	lf	25°C	100		mA
Edge LED Forward Current	lf	25°C	20		mA
EL Power Voltage	Vel	Vel=110Vac/400Hz			٧

Dimension

