

EN: This Datasheet is presented by the manufacturer.

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Raystar Optronics,Inc.

Mechanical Data

Item	Standard Value	Unit
Module Dimension	116.0x37.0	mm
Viewing Area	85.0x18.6	mm
Mounting hole	108.0x 29.0	mm
Character Size	3.2x5.55	mm

Absolute Maximum Rating

ltem	Symbol	Stan	Unit						
ntem	Symbol	min.	typ.	max.	Unit				
Power Supply	VDD-VSS	-0.3		7.0	V				
Input Voltage	VI	-0.3		VDD	V				
Note : VSS=0 Volt, VDD=5.0 Volt									

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Electronical Characteristics

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Item	Symbol	Condition	min. typ. max			Unit	
	VDD	VDD=+5V	4.7	5.0	5.3	v	
Input Voltage	VDD	VDD=+3V	2.7	3.0	5.3	v	
Supply Current	IDD	VDD=5V		1.0	1.2	mA	
	VDD-V0	-20°C	5.0	5.1	5.7		
Recommended LC Driving		0°C	4.6	4.8	5.2		
Voltage for Normal Temp.		25°C	4.1	4.5	4.7	V	
Version module		50°C	3.9	4.2	4.5		
		70°C	3.7	3.9	4.3		
LED Forward Voltage	VF	25°C		4.2	4.6	v	
LED Forward Current	İF	25°C		210	420	mA	
EL Power Supply Current	IEL	Vel=110VAC;400Hz			5.0	mA	

Display Character Address Code:

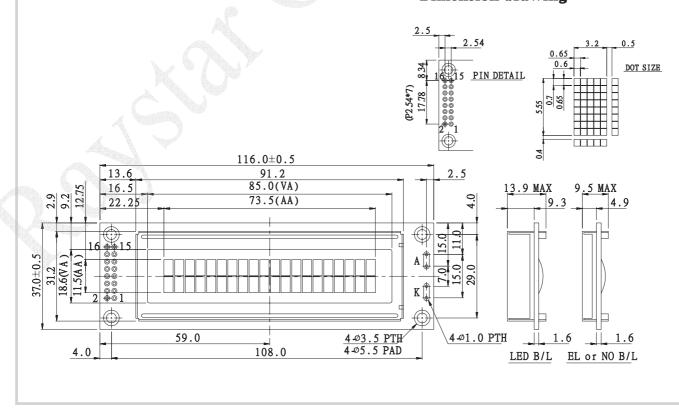
Display p	osition	4	2	2	4	5	6	7	0	0	10	11	12	12			20
DD RAM	Address	00	01	5	4			ŕ	0	9	10					6	13
DD RAM	Address	40	41												1		53

Feature

- 1. 5x8 dots includes cursor
- 2. Built-in controller (KS 0066 or E Quivalent)
- 3. +5V power supply (Also available for +3V)
- 4.1/16 duty cycle
- 5. LED can be driven by pin1,pin2,pin15,pin16 or A and K
- 6. N.V. optional for +3V power supply

Pin NO.	Symbol	Function	
1	Vss	GND	And the
2	Vdd	+3V or + 5V	
3	Vo	Contrast Adjustment	
4	RS	H/L Register select signal	
5	R/W	H/L Read / write signal	
6	Е	H→L Enable signal	
7	DB0	H/L Data bus line	
8	DB1	H/L Data bus line	
9	DB2	H/L Data bus line	
10	DB3	H/L Data bus line	
11	DB4	H/L Data bus line	
12	DB5	H/L Data bus line	
13	DB6	H/L Data bus line	
14	DB7	H/L Data bus line	
15	A/Vee	+4.2V for LED /Negative Voltage output	Ch
16	К	Power supply for B/L (0V)	

RC2002A Character 20x2 Dimension drawing



Characte type