Mechanical Data

Item	Standard Value	Unit
Module Dimension	122.0x33.0	mm
Viewing Area	99.0x13.0	mm
Mounting hole	115.0x25.2	mm
Character Size	4.84x8.06	mm

Absolute Maximum Rating

lt a ma	Cumbal	Stan	11-14			
Item	Symbol	min.	typ.	max.	Unit	
Power Supply	VDD-VSS	-0.3		7.0	٧	
Input Voltage	VI	-0.3		VDD	V	

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Stan				
rtem	Syllibol	Condition	min. typ. max			Unit	
Input Voltage	VDD	VDD=+5V	4.7	5.0	5.3	٧	
Supply Current	IDD	VDD=5V		1.2	1.4	mΑ	
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	4.9	5.1	5.5		
		0°C	4.5	4.8	5.1		
		25°C	4.1	4.5	4.7	٧	
		50℃	3.8	4.2	4.4		
		70°C	3.5	3.9	4.1		
LED Forward Voltage	VF	25°C		4.2	4.6	٧	
LED Forward Current	IF	25°C		160		mΑ	

Display Character Address Code:

Display position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01						07	40	41						47

Feature

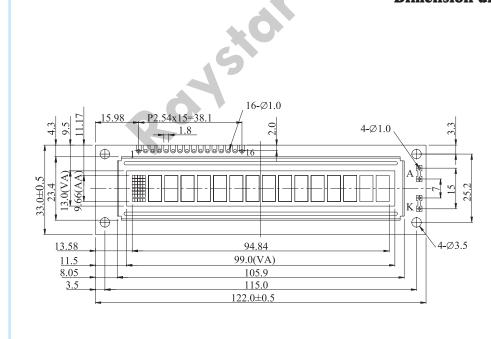
- 1. 5x8 dots includes cursor
- 2. Built- in controller (KS 0066 or Equivalent)
- 3. +5V power supply (Also available for +3V)
- 4. 1/16 duty cycle
- 5. LED can be driven by pin1,pin2,pin15,pin16 or A and K
- 6. N.V. Optional For +3V power supply

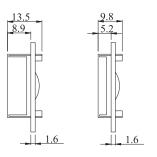
Pin/		
NO.	Symbol	Function
1	Vss	GND
2	Vdd	+ 5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read / write signal
6	E	H→L Enable signal
7	DB0	H/L Data bus line
8	DB1	H/L Data bus line
9	DB2	H/L Data bus line
10	DB3	H/L Data bus line
11	DB4	H/L Data bus line
12	DB5	H/L Data bus line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

Character type

RC1601C Character 16x1

Dimension drawing





EL or NO B/L

6.0

4.84

0.92

9.92

DOT SI/VE

 $\frac{DOT\ SIZE}{S = 3:1}$