Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0x29.3	mm
Viewing Area	52.0x15.0	mm
Mounting hole	50.0	mm
Character Size	2.45x4.67	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	-0.3	---	7.0	V
Input Voltage	VI	Vss	---	VDD	V

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

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=+5V	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	---	1.2	1.5	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20ºC	---	---	---	V
		0ºC	---	---	---	
		25ºC	---	3.8	---	
		50ºC	---	---	---	
		70ºC	---	---	---	
LED Forward Voltage	VF	25ºC	---	4.2	---	V
LED Forward Current	IF	25ºC Edge	---	40	---	mA
EL Power Supply Current	IEF	Vel=110VAC;400Hz	---	---	5.0	mA

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	02												0E	0F
DD RAM Address	40	41	42												4E	4F

Feature

1. 5x8 dots includes cursor
2. Built-in controller (KS 0066 or Equivalent)
3. 1/16 duty cycle
4. +5V power supply

Pin NO.	Symbol	Function
1	VLED-	Power supply for B/L(-)
2	Vss	Ground
3	Vdd	Supply voltage for logic
4	Vo	Operating voltage for LCD
5	RS	H: Data L: Instruction
6	R/W	H: read data L: write data
7	E	Chip enable signal
8	DB0	Data bit 0
9	DB1	Data bit 1
10	DB2	Data bit 2
11	DB3	Data bit 3
12	DB4	Data bit 4
13	DB5	Data bit 5
14	DB6	Data bit 6
15	DB7	Data bit 7
16	NC/A,VEE	NC/Power supply for B/L(+) /Negative Voltage output

Character type

RC1602H Character 16x2

Dimension drawing