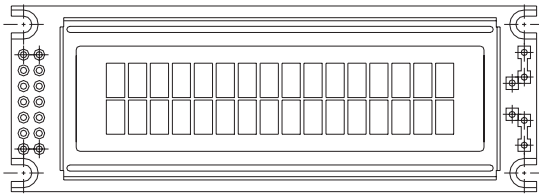


# 16 x 2 Character LCD


**FEATURES**

- 5 x 8 dots with cursor
- Built-in controller (KS 0066 or Equivalent)
- + 5V power supply
- 1/16 duty cycle
- B/L to be driven by pin 1, pin 2 or A.K (LED)

<b>MECHANICAL DATA</b>		
ITEM	STANDARD VALUE	UNIT
Module Dimension	85.0 x 30.0	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

<b>ABSOLUTE MAXIMUM RATING</b>					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	- 0.3	–	7.0	V
Input Voltage	VI	- 0.3	–	VDD	V

**NOTE:** VSS = 0 Volt, VDD = 5.0 Volt

<b>ELECTRICAL SPECIFICATIONS</b>							
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT	
			MIN.	TYP.	MAX.		
Input Voltage	VDD	VDD = + 5V	4.7	5.0	5.3	V	
Supply Current	IDD	VDD = 5V	–	1.2	3.0	mA	
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD - V0	- 20 °C	–	–	–	V	
		0°C	4.2	4.6	5.0		
		25°C	3.8	4.2	4.6		
		50°C	3.6	4.0	4.4		
		70°C	–	–	–		
LED Forward Voltage	VF	25°C	–	4.2	4.6	V	
LED Forward Current	IF	25°C	Array	–	130	260	mA
			Edge	–	20	40	
EL Power Supply Current	IEL	Vel = 110VAC:400Hz	–	–	5.0	mA	

<b>DISPLAY CHARACTER ADDRESS CODE:</b>																
Display Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DD RAM Address	00	01														0F
DD RAM Address	40	41														4F





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