



Features

- ▶ 5x8 dots with cursor
- ▶ Built-in controller KS0066 or equivalent
- ▶ +5V power supply
- ▶ 1/16 duty cycle
- ▶ LED B/L pins: A/K, 1/2, or 15/16
- ▶ Backlight: LED, EL

Optional

- ▶ +3V power supply
- ▶ Negative voltage

PIN ASSIGNMENT		
PIN	SYMBOL	FUNCTION
1	Vss	GND
2	Vdd	+ 5V(+3V option)
3	Vo	Contrast Adjustment
4	RS	H: Data L: Instruction
5	R/ \bar{W}	H/L read/write signal
6	E	H→ L enable signal
7-14	DB0~7	Data bus line
15	A/ \bar{Vee}	Power supply for B/L (+) Negative voltage output
16	K	Power supply for B/L (+)

MECHANICAL DATA				
ITEM	STANDARD VALUE		UNIT	
Module Dimension	84.0 x 44.0		mm	
Viewing Area	66.0 x 16.0		mm	
Active Area	59.21 x 11.50		mm	
Dot Size	0.56 x 0.66		mm	
Character Size	2.96 x 5.56		mm	
ELECTRONIC CHARACTERISTICS				
ITEM	SYMBOL	CONDITION	TYPICAL VALUE	UNIT
Input Voltage	Vdd	25°C	5.0	V
Supply Current	Idd	Vdd=+5V	1.2	mA
LCD Driving Voltage	Vdd-Vo	25°C	4.0	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current(edge)	If	25°C	20	mA
LED Forward Current(array)	If	25°C	100	mA
EL Power Supply	Vel	Vel= 110Vac/400Hz		Vrms