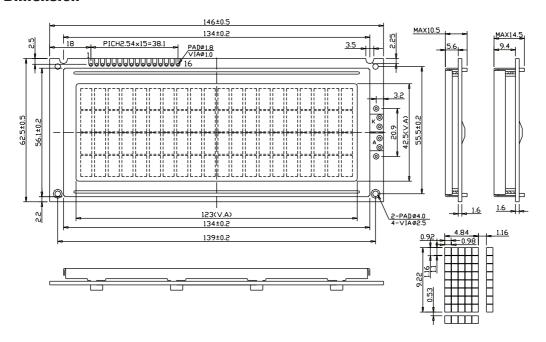


Outline Dimension



Feature

- **1.** 5X8 dots with cursor
- 2. Built-in controller (KS0066U or Equivalent)
- 3. +5V power supply
- 4. 1/16 duty cycle
- 5. BKL to be driven by pin15,pin16.
- 6. N.V.optional

Interface pin connections

PIN NO	Symbol	Function						
1	VSS	GND						
2	VDD	+5V						
3	V0	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	Α	+3.8V for BKL						
16	K	Power supply for BKL(0V)						

Mechanical Data

Item	Standard	Unit
Module dimension	98.0x60.0X18.6	mm
Viewing area	76.0x26.0	mm
Dot size	0.55x0.55	mm
Character size	2.95x4.75	mm

Absolute Maximum Rating

lt a wa	Cymahal		Unit			
Item	Symbol	Min	Тур	Max	Offic	
Power supply	VDD-VSS	- 0.3		5.5	V	
Input voltage	VI	-0.3		VDD		

Electronical characteristics

Itom	Cumbal	Condition		Unit				
Item	Symbol	Condition	Min	Тур	Max	Offic		
l	\/DD	+5V	4.7	5.0	5.5	V		
Input voltage	VDD	+3.3V	2.7	2.7 2.0		V		
Supply current	IDD	VDD=5V		3.0	3.5	mA		
		-20°C						
Recommended LCD driving voltage	VDD-V(0 °C	4.7	5.0	5.5			
for normal temp		25°C	4.3	4.5	4.7	V		
version module		50°C	4.1	4.3	4.5			
		70°C						
LED forward voltage	VF	25°C		3.8	4.0	V		
LED forward current	IF	25°C		55		mA		
EL power supply current	IEL	V _{EL} =110V AC 400Hz				mA		

Display character address code:

Display position

Diopidy position						
	1	2	3	 	 	 19 20
DDRAM address	00	01	02	 	 	 12H 13H
DDRAM address	40	41	42	 	 	 52H 53H
DDRAM address	14	15	16	 	 	 26H 27H
DDRAM address	54	55	56	 	 	 66H 67H