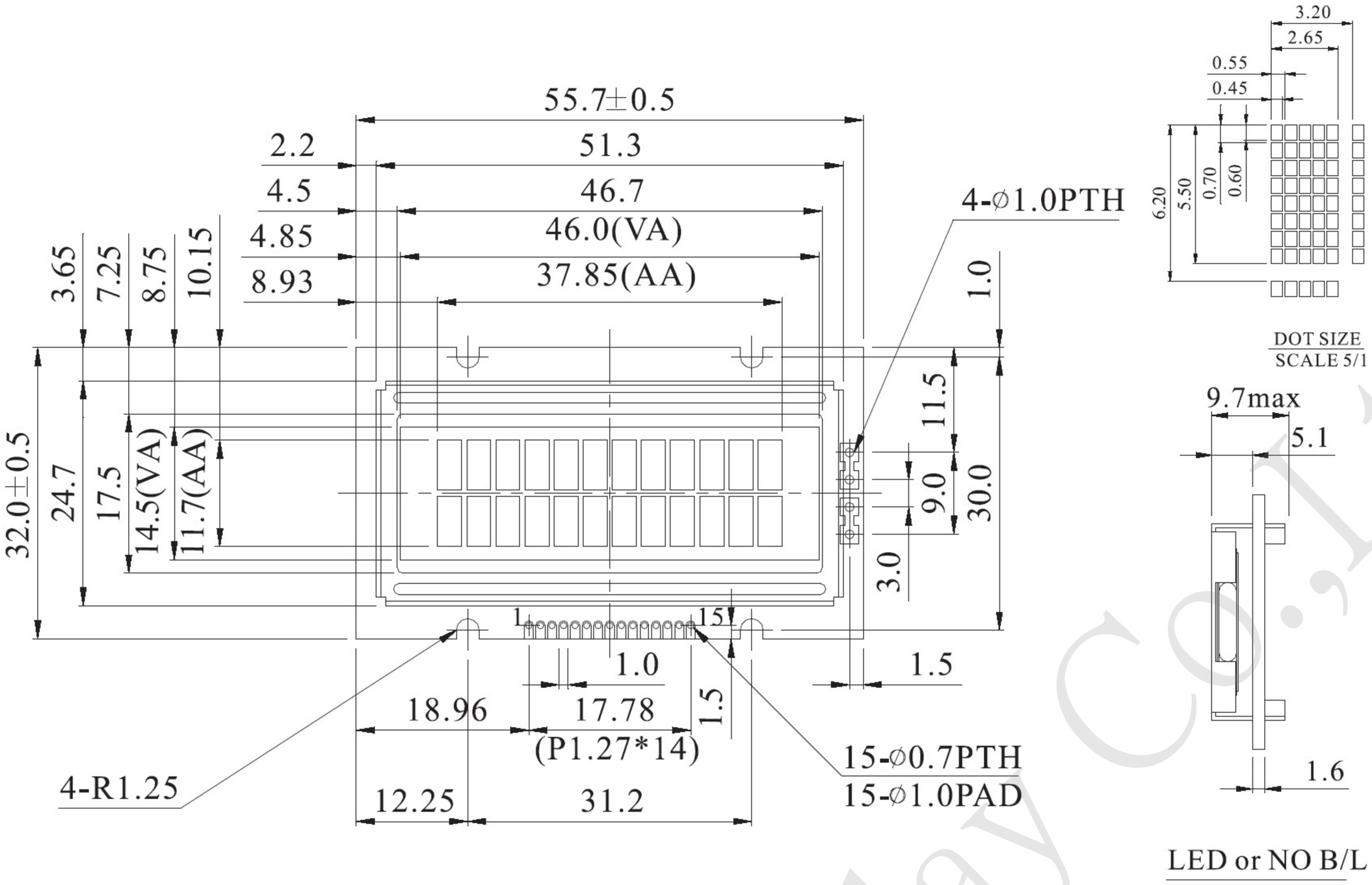
Dimension drawing



DOT SIZE
SCALE 5/1

LED or NO B/L

Feature

1. 5x8 dots includes cursor
2. Built- in controller (KS 0066 or Equivalent)
3. +5V power supply
4. 1/16 duty cycle
5. LED to be driven by pin1, pin2, or A and K

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	+ 5V
3	Vo	Contrast Adjustment
4	RS	H/L Register select signal
5	R/$\overline{W}$	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	4.2V for LED (RA=OΩ)

Mechanical Data

Item	Standard Value	Unit
Module Dimension	55.7 x 32.0	mm
Viewing Area	46.0x14.5	mm
Mounting hole	31.2x 30.0	mm
Character Size	2.65 x 5.50	mm

Absolute Maximum Rating

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.

Electronical Characteristics

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	---	1.3	1.5	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	4.9	5.2	5.5	V
		0°C	4.5	4.8	5.1	
		25°C	4.1	4.4	4.7	
		50°C	3.8	4.2	4.4	
		70°C	3.5	4.0	4.1	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	40	80	mA

Display Character Address Code :

Display position

	1	2	3	4	5	6	7	8	9	10	11	12
DD RAM Address	00	01										0C
DD RAM Address	40	41										4C

WINSTAR DISPLAY Co.,Ltd.