



1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller KS0066 or equivalent
4. + 5V single power supply
5. 1/16 duty cycle
6. LED B/L pins: 15/16, or A/K, or 1/2
7. Option: LED array B/L, EL B/L
8. Option: +3V single power supply



Item	Standard Value	Unit
Module Dimension	182.0 x 33.5	mm
Viewing Area	154.4 x 16.5	mm
Dot Size	0.6 x 0.65	mm
Character Size	3.2 x 5.55	mm

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V(+3V option)
3	Vo	Contrast adjustment
4	RS	H/L register select signal
5	R/W	H/L read/write signal
6	E	H --> L enable signal
7~14	DB0~7	H/L data bus line
15	A	Power supply for B/L (+)/
16	K	Power supply for B/L (GND)

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	2.5	mA
LCD Driving Voltage	Vdd-Vo	25°C	4.5	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	280	mA
EL Power Voltage	Vel	Vel=110Vac/400Hz		V

The mechanical drawing consists of three views:

- Top View:** Shows the overall dimensions of the module. The total length is 182.0 ± 0.5 mm. Key dimensions include 33.5 ± 0.5 mm, 28.9 mm, 2.3 mm, 8.5 mm, 11.0 mm, 16.5(VA) mm, 11.5(AA) mm, 3.5 mm, 26.5 mm, 16.5 mm, 15 mm, 19.75 mm, 16.3 mm, 12.8 mm, 93.5 mm, 175.0 mm, 4-Ø 3.5 PTH, 4-Ø 5.5 PTH, 6-Ø 1.0 mm, 1.5 mm, 13.55 mm, 9.25 mm, 15.0 mm, 7 d, and 1.6 mm.
- Side View:** Shows the profile of the module with dimensions 8.8 EL or No B/L, 13.1 LED B/L, 9.0 LED B/L, 4.7 EL or No B/L, and 1.6 mm.
- Dot Size View:** Shows the arrangement of LEDs in a grid. Dimensions include 0.65 mm, 0.6 mm, 5.55 mm, 0.7 mm, 0.65 mm, 0.4 mm, and DOT SIZE SCALE 5/1.