



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
7. Option: LED, EL B/L
8. Option: No Negative Voltage

Item	Standard Value	Unit
Module Dimension	57.0 x 57.0	mm
Viewing Area	39.0 x 24.4	mm
Dot Size	0.55 x 0.55	mm
Character Size	2.96 x 4.75	mm



Pin	Symbol	Function
1	Vss	GND
2	Vdd	+5V
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	1.2	mA
LCD Driving Voltage	Vdd-Vo	25 ^o C	4.3	V
LED Forward Voltage	Vf	25 ^o C	4.2	V
LED Forward Current	If	25 ^o C	130	mA
EL Power Current	Vel	Vel=110 Vac/400Hz	4.2	V

Technical drawing of the LED module showing top, side, and detail views with dimensions in mm.

Top View Dimensions:

- Overall width: 53.2
- Overall height: 51.0
- Internal width: 51.0
- Internal height: 39.0
- Distance between mounting holes: 34.90
- Mounting hole diameter: 4- $\varnothing 3.0$
- Distance from top edge to mounting hole: 3.0
- Distance from bottom edge to mounting hole: 3.0
- Distance from left edge to mounting hole: 11.2
- Distance from right edge to mounting hole: 11.2
- Distance from top edge to LED array: 34.6
- Distance from bottom edge to LED array: 24.4
- Distance from left edge to LED array: 19.61
- Distance from right edge to LED array: 15.24
- Distance from bottom edge to LED array: 20.8
- Distance from bottom edge to LED array: 2.54
- Distance from bottom edge to LED array: 3.5
- Distance from bottom edge to LED array: 5.08
- Distance from bottom edge to LED array: 16 ± 1.0 (Pad1.8)
- Distance from bottom edge to LED array: 15
- Distance from bottom edge to LED array: 16
- Distance from bottom edge to LED array: 2

Side View Dimensions:

- Overall height: 12.7 [e]/ref 8.8
- LED array height: 8.7 [e]/ref 4.8
- LED array width: 1.6

Detail View Dimensions:

- Overall width: 3.55
- Overall height: 5.35
- Distance between mounting holes: 2.95
- Mounting hole diameter: 0.55
- Distance from top edge to mounting hole: 0.05
- Distance from bottom edge to mounting hole: 0.05
- Distance from left edge to mounting hole: 0.05
- Distance from right edge to mounting hole: 0.05
- Distance from top edge to LED array: 4.75
- Distance from bottom edge to LED array: 0.55
- Distance from left edge to LED array: 0.05
- Distance from right edge to LED array: 0.05