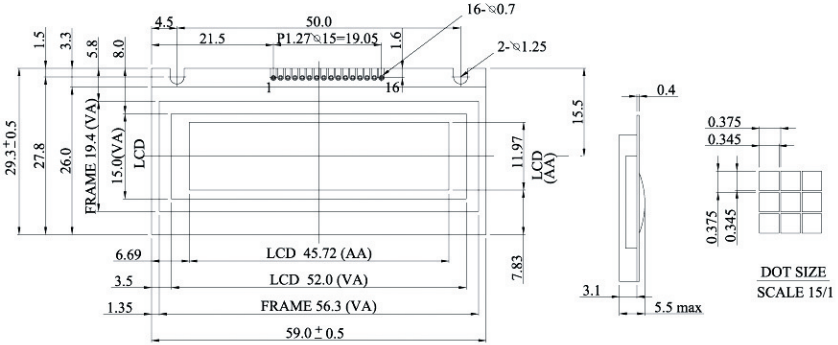


# Graphic 122x32dots **WG12232D**

## Dimension drawing



### Feature

- Epson-SED1520, or equivalent
- 1/32 duty cycle

Pin No.	Symbol	Function
1	VLED	Power supply for LED BL <sup>+</sup> *
2	V <sub>SS</sub>	GND
3	V <sub>DD</sub>	+5V
4	V <sub>0</sub>	Contrast Adjustment
5	AO	H>Data L-Instruction
6	E1	Chip Enable for U1 (Segment 1-61)
7	E2	Chip Enable for U1 (Segment 62-122)
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	RW	H/read data L/write data

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	59.0x 29.3	mm
Viewing Area	52.0x 15.0	mm
Mounting hole	50.0	mm
Dot Pitch	0.375x 0.375	mm

### Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	2.75	5	525	V
Input Voltage	V <sub>I</sub>	0	---	VDD	V

Note : VSS=0 Volt, VDD=5.0 Volt.

### Electrical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=+5V	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	---	1.0	1.4	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V <sub>0</sub>	-20°C	5.3	5.5	5.7	V
		0°C	5.1	5.3	5.5	
		25°C	4.7	4.9	5.1	
		70°C	4.1	4.4	4.7	
LED Forward Voltage	V <sub>F</sub>	25°C	---	4.2	4.6	V
LED Forward Current	I <sub>F</sub>	25°C	---	20	40	mA
EL Power Supply Current	I <sub>EL</sub>	V <sub>el</sub> =110VAC,400Hz	---	---	---	mA

Graphic type