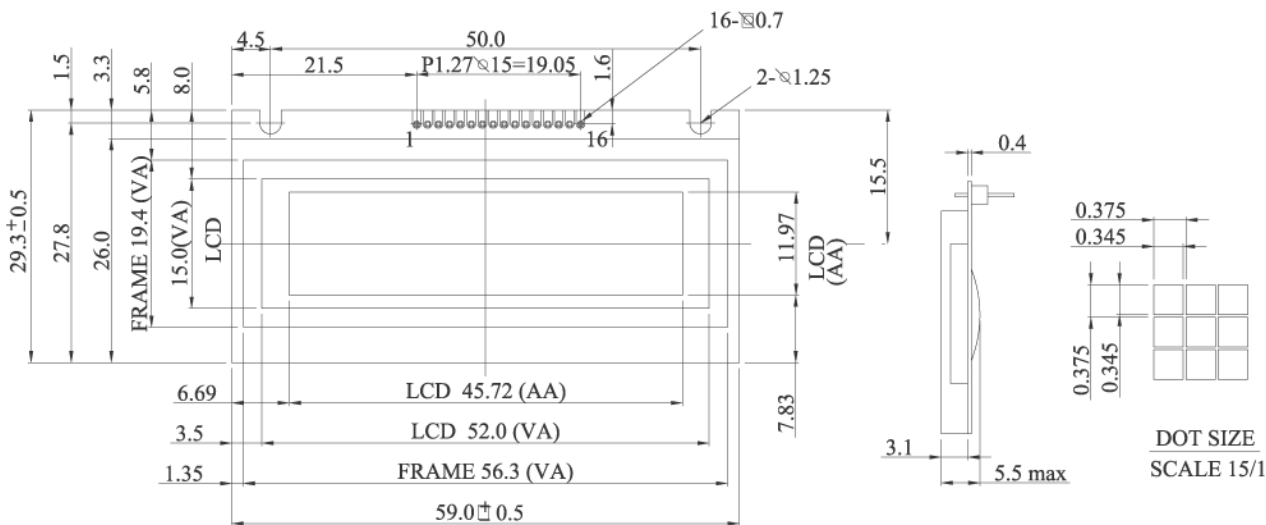


WG12232D Graphic 122x32 dots

Dimension drawing



Graphic type

Feature

- 1.Epson-SED1520,or equivalent
- 2.1/32 duty cycle

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 59.0x 29.3 | mm |
| Viewing Area | 52.0x 15.0 | mm |
| Mounting hole | 500 | mm |
| Dot Pitch | 0.375x 0.375 | mm |

| Pin NO. | Symbol | Function |
|---------|--------|------------------------------------|
| 1 | VLED | Power supply for LED B/L "-" |
| 2 | Vss | GND |
| 3 | Vdd | +5V |
| 4 | Vo | 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 |

Absolute Maximum Rating

| Item | Symbol | Standard Value | | | Unit |
|---------------|---------|----------------|------|------|------|
| | | min. | typ. | max. | |
| Power Supply | VDD-VSS | 2.75 | 5 | 5.25 | V |
| Input Voltage | VI | 0 | --- | 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 | 4.5 | 5.0 | 5.5 | V |
| Supply Current | IDD | VDD=5V | --- | 1.0 | 1.4 | mA |
| Recommended LC Driving | | -20°C | 5.3 | 5.5 | 5.7 | |
| Voltage for Normal Temp. Version module | VDD-V0 | 25°C | 4.7 | 4.9 | 5.1 | V |
| | | 7°C | 4.1 | 4.4 | 4.7 | |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | 4.6 | V |
| LED Forward Current | IF | 25°C | --- | 20 | 40 | mA |
| EL Power Supply Current | IEL | Vel=110VAC;400Hz | --- | --- | --- | mA |