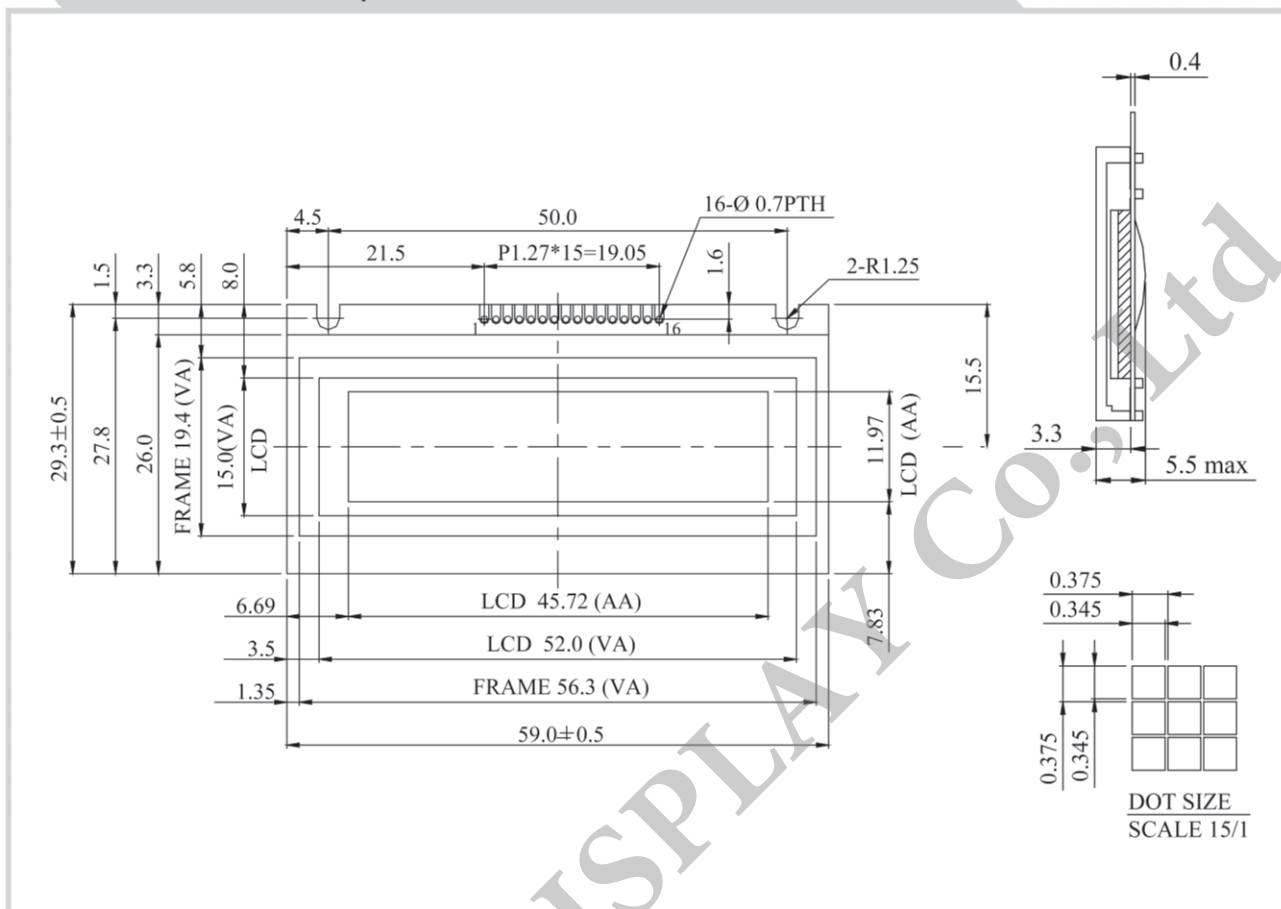


**WG12232N** Graphic 122x32 dots



**Feature**

1. Built-in controller ST7920
2. 1/32 duty cycle
3. N.V. optional for 3.0V power supply
4. Chinese version
5. Same size with WG12232D
6. White LED backlight not available

| Pin No. | Symbol           | Description                     |
|---------|------------------|---------------------------------|
| 1       | V <sub>LED</sub> | Power supply for B/L -          |
| 2       | V <sub>SS</sub>  | Ground                          |
| 3       | V <sub>DD</sub>  | Power supply for logic          |
| 4       | V <sub>O</sub>   | Contrast Adjustment             |
| 5       | RS               | Data/ Instruction select signal |
| 6       | E                | Enable signal                   |
| 7       | Vout             | Positive Voltage output         |
| 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      | R/W              | Read/Write select signal        |

**Mechanical Data**

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 59.0 x 29.3    | mm   |
| Viewing Area     | 52.0 x 15.0    | mm   |
| Mounting Hole    | 50.0           | mm   |
| Dot Pitch        | 0.375 x 0.375  | mm   |
| Dot Size         | 0.345 x 0.345  | mm   |

**Electrical Characteristics**

| Item  | Symbol | Standard Value | Unit |
|---|--------|----------------|------|
|   |        | typ.           |      |
| Input Voltage   | VDD    | 3/5            | V    |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | Vo-Vss | 4.35           | V    |