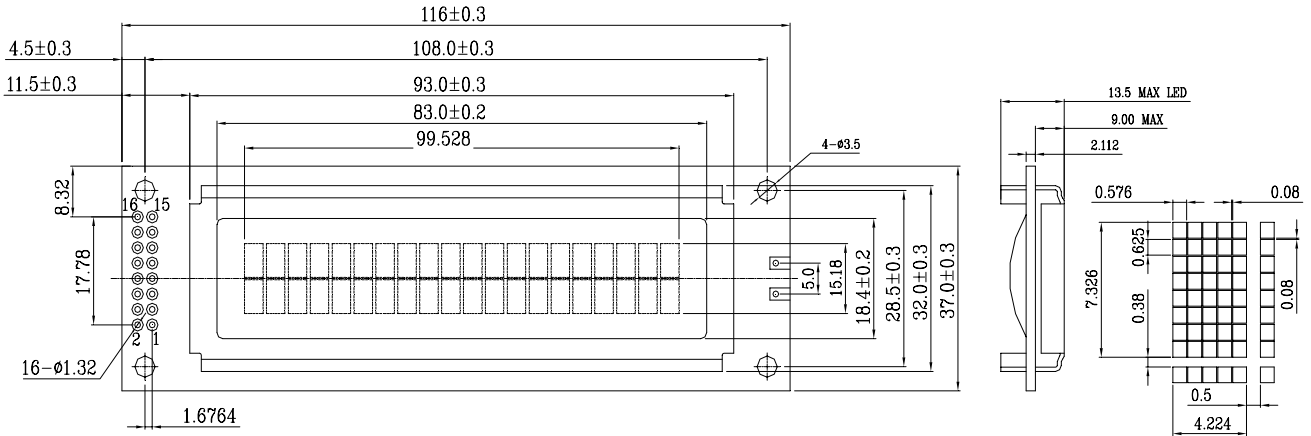




C2002-3

20 × 2 CHARACTERS

**DIMENSION:**



|     |     |     |    |     |   |     |     |     |     |     |     |     |     |      |      |
|-----|-----|-----|----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1   | 2   | 3   | 4  | 5   | 6 | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15   | 16   |
| VSS | VDD | VEE | RS | R/W | E | DB0 | DB1 | DB2 | DB3 | DB4 | DB5 | DB6 | DB7 | LED+ | LED- |

**FEATURE:**

1. Display mode : STN, Positive
2. Dot/Background Color : Blue/Yellow-green
3. Display format : 20Char×2Line
4. Input data : 4/8 bit I/O
5. Driving method : 1/16Duty 1/5 Bias
6. Viewing direction : 6 O'clock
7. Back light : EL Green/ LED Yellow-green

**ELECTRICAL CHARACTERISTIC:**

| Item                   | Symbol | Standard value |     |         | Unit |
|------------------------|--------|----------------|-----|---------|------|
|                        |        | Min            | Typ | Max     |      |
| Power supply for logic | VDD    | -0.3           | -   | 7       | V    |
| Power supply for LCD   | VLCD   | VDD-12         | -   | VDD+0.3 | V    |
| Input voltage          | Vin    | -0.3           | -   | VDD+0.3 | V    |
| Operating temperature  | Top    | 0              | -   | 50      |      |
| Storage temperature    | Tstg   | -20            | -   | 70      |      |

**BLOCK DIAGRAM:**

