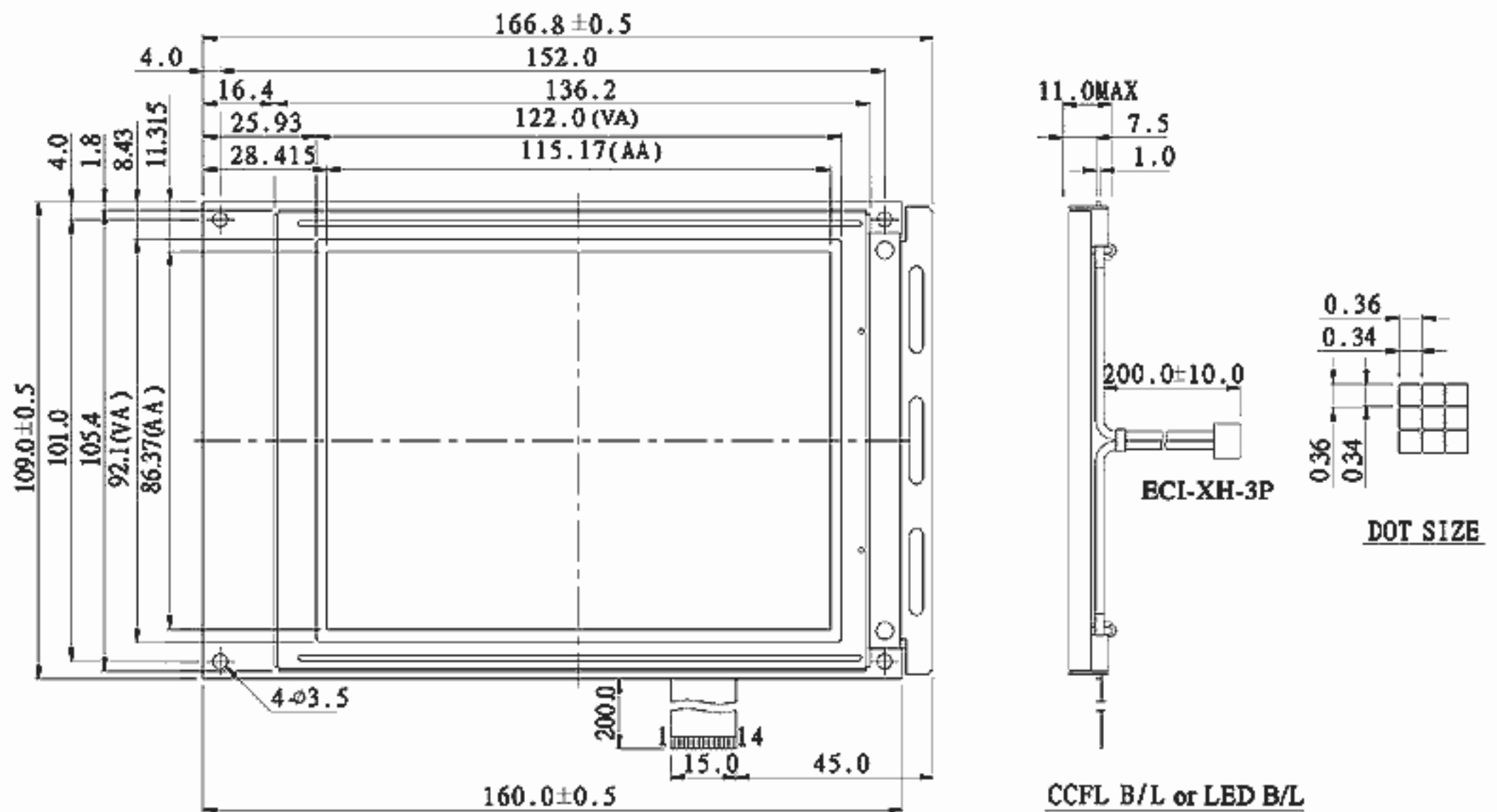


Graphic 320x240dots **WG320240A**

**Dimension drawing**



Graphic  
type

**Feature**

1. 320x240 dots
2. +5V power supply
3. 1/240 duty cycle
4. No controller
5. Touch screen option (analog type)

| Pin NO. | Symbol  | Function                                |
|---------|---------|-----------------------------------------|
| 1       | DB0     | Data bus line                           |
| 2       | DB1     | Data bus line                           |
| 3       | DB2     | Data bus line                           |
| 4       | DB3     | Data bus line                           |
| 5       | DISPOFF | H:ON L:OFF                              |
| 6       | FRAME   | First line marker                       |
| 7       | M(NC)   | Frame reverse signal (alternate signal) |
| 8       | LP      | Data latch                              |
| 9       | CP      | Data shift                              |
| 10      | Vdd     | Power supply for LOGIC                  |
| 11      | Vss     | GND                                     |
| 12      | Vee     | Power supply for LCD                    |
| 13      | Vo      | Operating voltage LCD driving           |
| 14      | FGND    | Fim ground                              |

**Mechanical Data**

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 166.8x109.0    | mm   |
| Viewing Area     | 122.0x92.0     | mm   |
| Dot Size         | 0.34x0.34      | mm   |
| Dot Pitch        | 0.36x0.36      | mm   |
| Mounting hole    | 152.0x101.0    | mm   |

**Absolute Maximum Rating**

| Item          | Symbol  | Standard Value |      |      | Unit |
|---------------|---------|----------------|------|------|------|
|               |         | min.           | typ. | max. |      |
| Power Supply  | VDD-VSS | 4.75           | 5.0  | 5.25 | V    |
| Input Voltage | VI      | -0.3           | ---  | VDD  | V    |

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

**Electronical Characteristics**

| Item                                                           | Symbol | Condition            | Standard Value |      |        | Unit |
|----------------------------------------------------------------|--------|----------------------|----------------|------|--------|------|
|                                                                |        |                      | min.           | typ. | max.   |      |
| Input Voltage                                                  | VDD    | L level              | 0.7VDD         | ---  | VDD    | V    |
|                                                                | VIO    | H level              | 0              | ---  | 0.3VDD | V    |
| Supply Current                                                 | IDD    | VDD=5V               | ---            | 7.5  | ---    | mA   |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-V0 | 0°C                  | 22.0           | 23.0 | 24.0   | V    |
|                                                                |        | 25°C                 | 21.3           | 22.2 | 23.0   |      |
|                                                                |        | 50°C                 | 19.5           | 20.8 | 22.1   |      |
| CCFL Starting Voltage                                          | VFLS   | 25°C                 | ---            | 600  | ---    | Vrms |
| CCFL Driving Voltage                                           | VFLD   | 25°C                 | ---            | 268  | ---    | Vrms |
| CCFL Driving Current                                           | IFLD   | VFO=450Vrms<br>30KHZ | ---            | 5.0  | ---    | mAms |
| LED Forward Voltage                                            | VF     | 25°C                 | ---            | 4.2  | 4.6    | V    |
| LED Forward Current                                            | IF     | 25°C                 | ---            | 180  | 360    | mA   |
| EL                                                             | IEL    | Vel=110VAC;400Hz     | ---            | ---  | 5.0    | mA   |