

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 166.8x109.0 | mm |
| Viewing Area | 122.0x92.0 | mm |
| Mounting hole | 152.0x101.0 | mm |
| Dot Pitch | 0.36x0.36 | 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 | --- | 4.5 | 5.0 | 5.5 | V |
| Supply Current | IDD | VDD=5V | --- | 110.0 | --- | mA |
| Recommended LC Driving Voltage for Normal Temp. Version module | VDD-VO | -20°C | --- | --- | 26.1 | V |
| | | 25°C | --- | 23.8 | --- | |
| | | 70°C | 20.9 | --- | --- | |
| CCFL Starting Voltage | VFLS | 25°C | --- | 600 | --- | Vrms |
| CCFL Driving Voltage | VFLD | 25°C | --- | 270 | --- | Vrms |
| CCFL Driving Current | IFLD | VFQ=450Vrms 30KHZ | 4.8 | 5.3 | 5.5 | mAmps |
| LED Forward Voltage | VF | 25°C | --- | 4.2 | 4.6 | V |
| LED Forward Current | IF | 25°C | --- | 180 | 360 | mA |
| EL Power Supply Current | IEF | Vel=110VAC,400Hz | --- | --- | 5.0 | mA |

Feature

1. Built-in controller RA8806
2. Built-in Negative Voltage generator
3. 1/240 duty cycle
4. Touch screen option
5. Temperature compensation option
6. Chinese Version
7. Same size with RG320240A1
8. +3.3V power supply (+5.0V option)

| Pin NO. | Symbol | Function |
|---------|--------|---|
| 1 | GND | Ground |
| 2 | Vdd | Power supply for Logic |
| 3 | Vo | Driving voltage for LCD |
| 4 | RS | Command / Data Select |
| 5 | RD | 8080 family:Read Signal,6800 family:Enable signal |
| 6 | WR | 8080 family:Write Signal,6800 family:R/W signal |
| 7 | DB0 | Data bus line |
| 8 | DB1 | Data bus line |
| 9 | DB2 | Data bus line |
| 10 | DB3 | Data bus line |
| 11 | DB4 | Data bus line |
| 12 | DB5 | Data bus line |
| 13 | DB6 | Data bus line |
| 14 | DB7 | Data bus line |
| 15 | CS | Chip Enable |
| 16 | RST | Reset Signal |
| 17 | VEE | Negative voltage output |
| 18 | BUSY | Busy Signal Output |
| 19 | INT | Interrupt Signal Output |
| 20 | A | LED+ |

Graphic type

RG320240D Graphic 320x240 dots

Dimension drawing

