



# BG320240B1



## Feature

1. SMT PCB with metal frame
2. Built-in controller SED1335
3. +5V power supply
4. 1/240 duty cycle
5. Option: LED edge/white B/L, EL B/L, CCFL
6. Option: negative voltage (built-in, external)
7. Option: touch panel
8. Option: 80 Series MPU interfance
9. Option: +3V signal power supply

## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 157.5 x 120.2  | mm   |
| Viewing Area     | 122 x 92       | mm   |
| Dot Size         | 0.34 x 0.34    | mm   |
| Dot Pitch        | 0.36 x 0.36    | mm   |

## Pin Assignment

| Pin  | Symbol    | Function                     |
|------|-----------|------------------------------|
| 1    | Vss       | Power supply (GND)           |
| 2    | Vdd       | +5V(+3V option)              |
| 3    | Vo        | Contrast Adjustment          |
| 4    | E         | Enable signal                |
| 5    | R/W       | Read /write signal           |
| 6    | Ao        | Data / instruction           |
| 7~14 | DB0-7     | Data bus line                |
| 15   | /CS       | Chip select                  |
| 16   | /RST      | Reset signal                 |
| 17   | Vee       | Negative voltage output -25V |
| 18   | FGND      | Frame Ground                 |
| 19   | NC        | No connection                |
| 20   | /DISP OFF | Display off                  |

## Electronic Characteristics

| Item                  | Symbol | Condition            | Typical Value | Unit  |
|-----------------------|--------|----------------------|---------------|-------|
| Input Voltage         | Vdd    | Vdd = +5V            | 5.0           | V     |
| Supply Current        | Idd    | Vdd = +5V            | 18            | mA    |
| LCD Driving Voltage   | Vdd-Vo | 25°C                 | 22.2          | V     |
| CCFL Starting Voltage | VFLS   | 25°C                 | 600           | Vrms  |
| CCFL Driving Voltage  | VFLD   | 25°C                 | 260           | Vrms  |
| CCFL Driving Current  | IFLD   | VFLD=260 Vrms/ 30KHZ | 5.0           | mArms |

## Dimension

