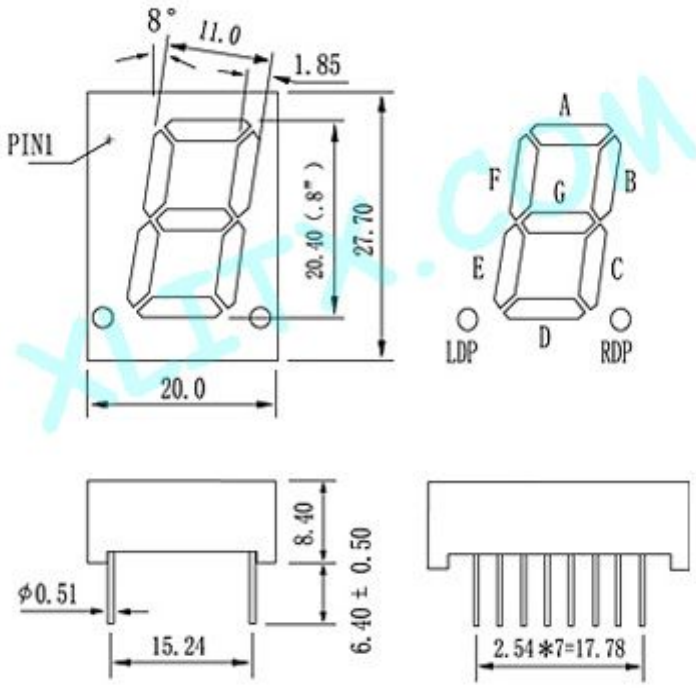
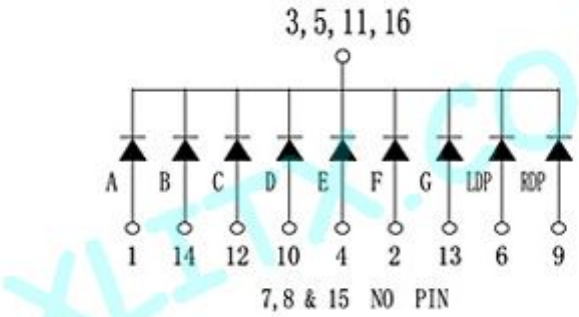
| | |
|---|---|
| **Model :** | 8102AB |
| **Size :** | 0.80-inch |
| **Emitting color :** | Blue |
| **Mode :** | Common-Cathode (CC) |
| **Digit :** | Single Digit |
| **Category :** | LED 7-Segment Display |
| **Maker :** | XLITX Technology |

**Prices :** $0.85 = 100 Pieces $0.55 = 500 Pieces $0.53 = 1000 Pieces (Free shipping)


Contact Email HF@xlitx.com

## Dimension & Diagram



## Blue Electro-Optical Parameter

1. Electro-Optical Characteristics(Ta=25℃)

| PARAMETER | SYMBOL | DEVICES ( Blue ) | | UNIT | TEST CONDIONS |
|---|---|---|---|---|---|
| | | TYP | MAX | | |
| Peak Emission Wavelengrth | λp | 470 | | nm | IF=10mA |
| Forward Voltage | VF | 3.5 | | V | IF=10mA |
| Reverse Current | IR | | 50 | μA | VR=5V |
| Segment To Segment (Dot To Dot) Luminonous Intensity Ratio | IV-M | 1.5:1 | | | IF=20 |

2. Absolute Maximun Ratings(Ta=25℃)

| PARAMETER | SYMBOL | DEVICES ( Blue ) | UNIT |
|---|---|---|---|
| Power Dissipation Per Dice | pad | 70 | mw |
| Derating Linear From 25℃ Per Dice | | 0.27 | mA/℃ |
| Continuous Forward Current Per Dice | laf | 30 | mA |
| Peak Forward Ourrent Per Dice (Duty Cycle 1/10,10KHz) | lpf | 100 | mA |
| Reverse Voltage Per Dice | Vr | 5 | V |
| Operating Temperature | Topr | -20℃ (to) +75℃ | |
| Storage Temperature | Tstg | -20℃ (to) +85℃ | |
| Solder Temperature | | 1.6 Inch Below Seating Place for 5 seconds at 230℃ | |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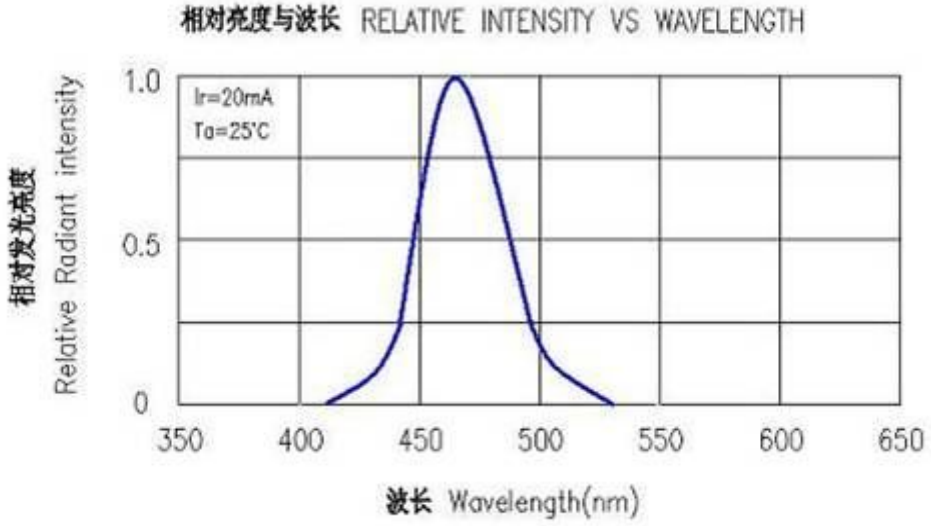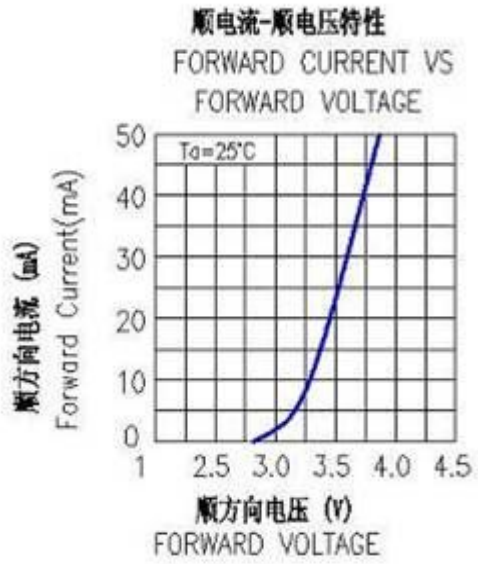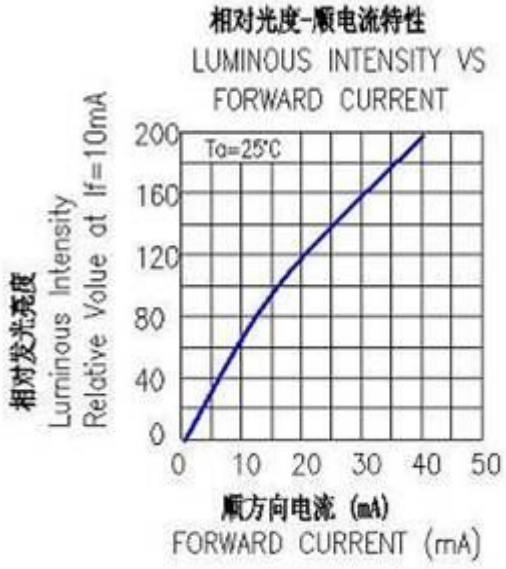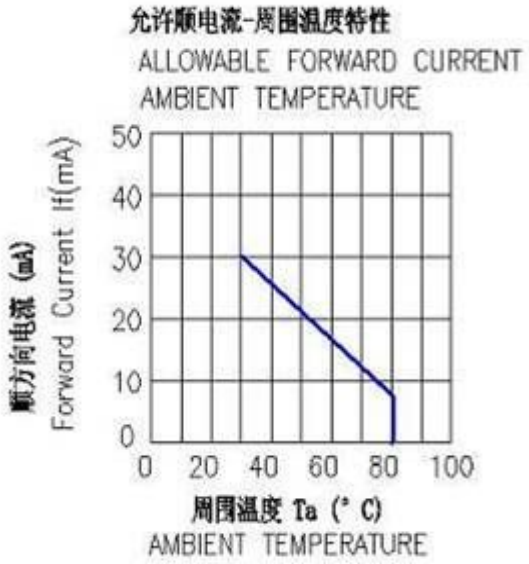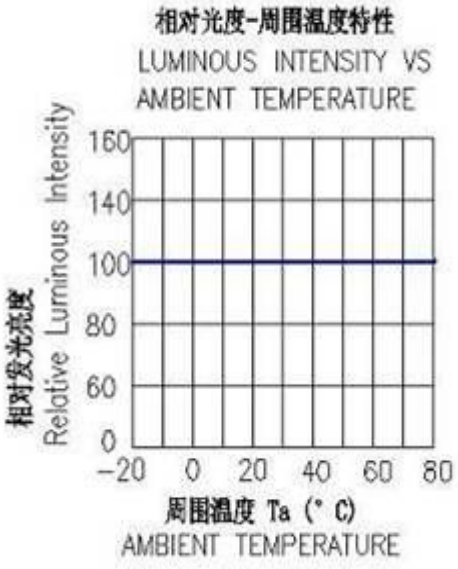
3. Electro-Optical Curve