



## PB65 10 Segment Rectangular Bar Graph Array

### Features

- \*Popular Industry Standard Bar Graph Array with 10 Segments
- \*10 GaAsP Hi-Eff Red LED Chips used
- \*Gray Face, White Segments
- \*High Light Output
- \*IC Compatible
- \*RoHS Compliant

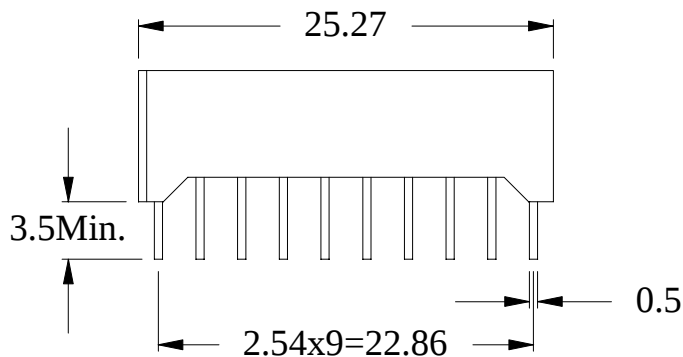
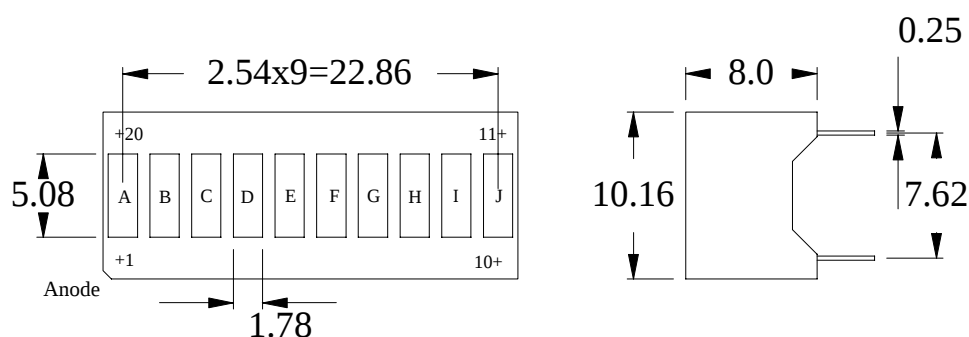
### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

|                                                                |                                             |
|----------------------------------------------------------------|---------------------------------------------|
| Power Dissipation.....                                         | 78mW                                        |
| Reverse Voltage ( $<100\mu\text{A}$ ).....                     | 5.0V                                        |
| Max Forward Current .....                                      | 30mA                                        |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)..... | 100mA                                       |
| Operating Temperature Range... ..                              | $-25^\circ\text{C}$ to $+85^\circ\text{C}$  |
| Storage Temperature Range.....                                 | $-40^\circ\text{C}$ to $+100^\circ\text{C}$ |
| Soldering Temperature.....                                     | $260^\circ\text{C}$ for 5 seconds           |

### Electrical & Optical Characteristics at $T_A = 25^\circ\text{C}$

| Part Number   | Emitting Color | Chip Material | Dominant Wave Length | Peak Wave Length | Forward Voltage @20mA (V) |     | Luminous Intensity @20mA (mcd) |      |
|---------------|----------------|---------------|----------------------|------------------|---------------------------|-----|--------------------------------|------|
|               |                |               |                      |                  | Typ                       | Max | Min                            | Typ  |
| PB65-BGA10O12 | Orange-Red     | GaAsP         | 626                  | 635              | 2.1                       | 2.6 | 6.0                            | 12.0 |

Package Dimension are in **Millimeters**. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise specified.



| Pin Functions |              |
|---------------|--------------|
| Pin #         |              |
| 1 Anode A     | 11 Cathode J |
| 2 Anode B     | 12 Cathode I |
| 3 Anode C     | 13 Cathode H |
| 4 Anode D     | 14 Cathode G |
| 5 Anode E     | 15 Cathode F |
| 6 Anode F     | 16 Cathode E |
| 7 Anode G     | 17 Cathode D |
| 8 Anode H     | 18 Cathode C |
| 9 Anode I     | 19 Cathode B |
| 10 Anode J    | 20 Cathode A |