

## 9mm (0.36") SINGLE DIGIT NUMERIC DISPLAY

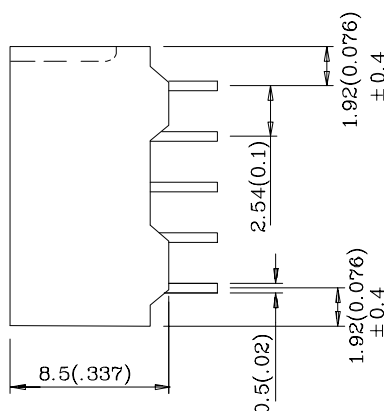
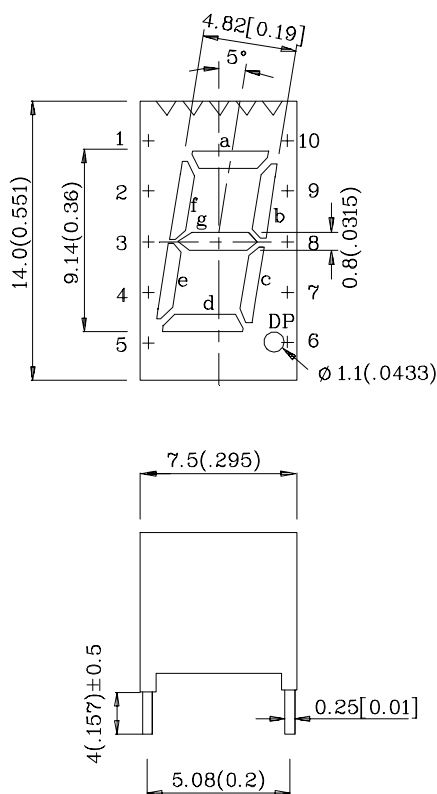
XDUG09A



# SUN LED

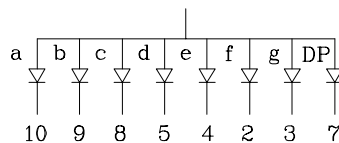
Email : sales@us.sunled.com

Web Site : www.sunled.com



COMMON ANODE

PIN NO. 1,6



Notes:

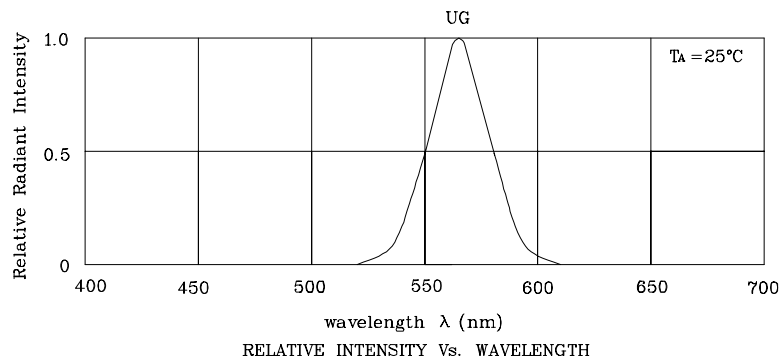
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

| Absolute maximum ratings<br>(T <sub>A</sub> =25°C)            |                  | UG<br>(GaP)         | Unit |
|---------------------------------------------------------------|------------------|---------------------|------|
| Reverse voltage                                               | V <sub>R</sub>   | 5                   | V    |
| Forward current                                               | I <sub>F</sub>   | 25                  | mA   |
| Forward current (peak)<br>1/10Duty cycle<br>0.1ms pulse width | i <sub>FS</sub>  | 140                 | mA   |
| Power dissipation                                             | P <sub>T</sub>   | 105                 | mW   |
| Operating temperature                                         | T <sub>A</sub>   | -40 ~ +85           | °C   |
| Storage temperature                                           | T <sub>stg</sub> |                     |      |
| Lead solder temperature<br>[2mm below package base]           |                  | 260°C For 5 Seconds |      |

| Operating Characteristics<br>(T <sub>A</sub> =25°C)          |                   | UG<br>(GaP) | Unit |
|--------------------------------------------------------------|-------------------|-------------|------|
| Forward voltage (typ.)<br>(I <sub>F</sub> =10mA)             | V <sub>F</sub>    | 2.0         | V    |
| Forward voltage (max.)<br>(I <sub>F</sub> =10mA)             | V <sub>F</sub>    | 2.5         | V    |
| Reverse current<br>(V <sub>R</sub> =5V)                      | I <sub>R</sub>    | 10          | uA   |
| Wavelength at peak<br>emission<br>(I <sub>F</sub> =10mA)     | λ <sub>peak</sub> | 565         | nm   |
| Wavelength at Dominate<br>emission<br>(I <sub>F</sub> =10mA) | λ <sub>D</sub>    | 568         | nm   |
| Spectral Line half-width<br>(I <sub>F</sub> =10mA)           | Δλ                | 30          | nm   |
| Capacitance<br>(V <sub>F</sub> =0V, f=1MHz)                  | C                 | 15          | pF   |

| Part<br>Number | Emitting<br>Color | Emitting<br>Material | Luminous<br>Intensity<br>(I <sub>F</sub> =10mA)<br>ucd |      | Wavelength<br>nm<br>λ <sub>P</sub> | Description                  |
|----------------|-------------------|----------------------|--------------------------------------------------------|------|------------------------------------|------------------------------|
|                |                   |                      | min.                                                   | typ. |                                    |                              |
| XDUG09A        | Green             | GaP                  | 800                                                    | 1890 | 565                                | Common Anode,Rt.Hand Decimal |

**XDUG09A**



**❖UG**

