

**20.32mm (0.8")16 SEGMENT SINGLE  
DIGIT ALPHANUMERIC NUMERIC DISPLAYS**

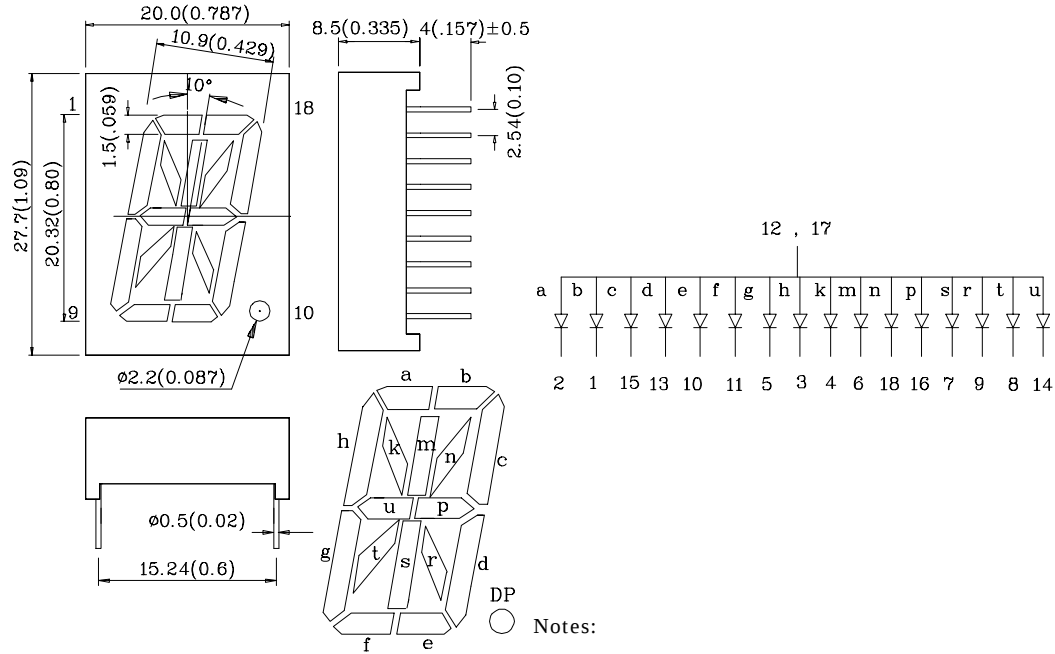


**SUN LED**

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XAUG20A-A



Notes:

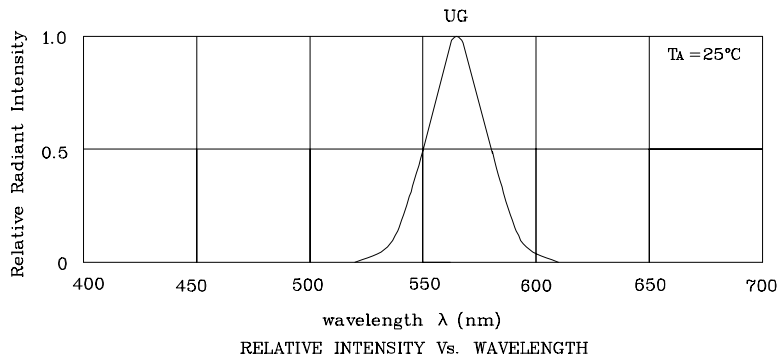
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.

| 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>( $T_A=25^{\circ}\text{C}$ )   |                  | UG<br>(GaP) | Unit          |
|-------------------------------------------------------------|------------------|-------------|---------------|
| Forward voltage (typ.)<br>( $I_F=10\text{mA}$ )             | $V_F$            | 2.0         | V             |
| Forward voltage (max.)<br>( $I_F=10\text{mA}$ )             | $V_F$            | 2.5         | V             |
| Reverse current<br>( $V_R=5\text{V}$ )                      | $I_R$            | 10          | $\mu\text{A}$ |
| Wavelength at peak<br>emission<br>( $I_F=10\text{mA}$ )     | $\lambda_{peak}$ | 565         | nm            |
| Wavelength at Dominate<br>emission<br>( $I_F=10\text{mA}$ ) | $\lambda_D$      | 568         | nm            |
| Spectral Line half-width<br>( $I_F=10\text{mA}$ )           | $\Delta\lambda$  | 30          | nm            |
| Capacitance<br>( $V_F=0\text{V}$ , $f=1\text{MHz}$ )        | $C$              | 15          | pF            |

| Part<br>Number | Emitting<br>Color | Emitting<br>Material | Luminous<br>Intensity<br>( $I_F=10\text{mA}$ )<br>ucd |       | Wavelength<br>nm<br>$\lambda_P$ | Description  |
|----------------|-------------------|----------------------|-------------------------------------------------------|-------|---------------------------------|--------------|
|                |                   |                      | min.                                                  | typ.  |                                 |              |
| XAUG20A-A      | Green             | GaP                  | 1900                                                  | 4690. | 565                             | Common Anode |

XAUG20A-A



❖UG

