

# 56.9mm (2.3") SINGLE DIGIT NUMERIC DISPLAY

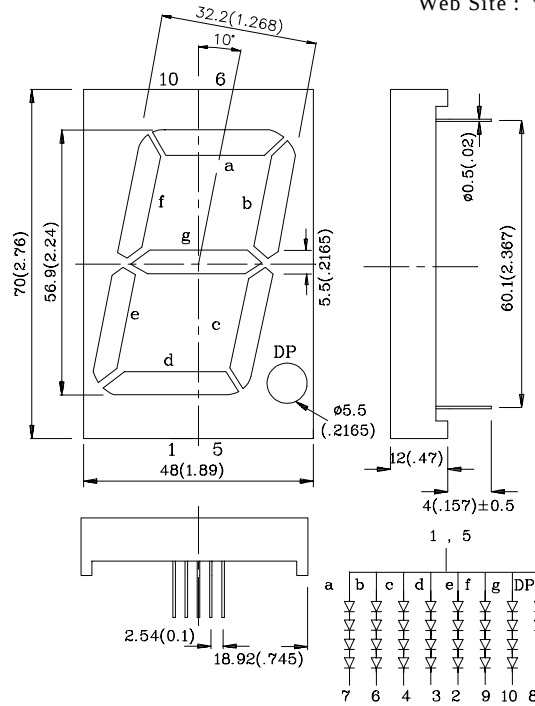
XDUR57A-A



**SUN LED**

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Notes:

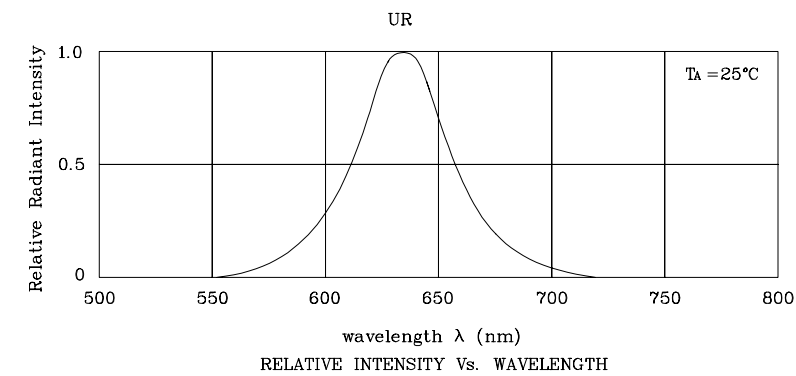
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

| Absolute maximum ratings<br>(T <sub>A</sub> =25°C)            |                  | UR<br>(GaAsP/GaP)   | Unit |
|---------------------------------------------------------------|------------------|---------------------|------|
| Reverse voltage                                               | V <sub>R</sub>   | 5                   | V    |
| Forward current                                               | I <sub>F</sub>   | 30                  | mA   |
| Forward current (peak)<br>1/10Duty cycle<br>0.1ms pulse width | i <sub>FS</sub>  | 160                 | 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>( $T_A=25^{\circ}\text{C}$ )   |                  | UR<br>(GaAsP/GaP) | Unit          |
|-------------------------------------------------------------|------------------|-------------------|---------------|
| Forward voltage (typ.)<br>( $I_F=10\text{mA}$ )             | $V_F$            | 1.9               | 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>( $I_F=10\text{mA}$ )     | $\lambda_{peak}$ | 627               | nm            |
| Wavelength at Dominate<br>emission<br>( $I_F=10\text{mA}$ ) | $\lambda_D$      | 625               | nm            |
| Spectral Line half-width<br>( $I_F=10\text{mA}$ )           | $\Delta\lambda$  | 45                | 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<br>min.      typ. |       | Wavelength<br>nm<br>$\lambda_P$ | Description                   |
|----------------|-------------------|----------------------|-------------------------------------------------------------------------|-------|---------------------------------|-------------------------------|
| XDUR57A-A      | Red               | GaAsP/GaP            | 8000                                                                    | 17990 | 627                             | Common Anode.Rt. Hand Decimal |

XDUR57A-A



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