

# **14mm (0.56") FOUR DIGIT NUMERIC DISPLAY**

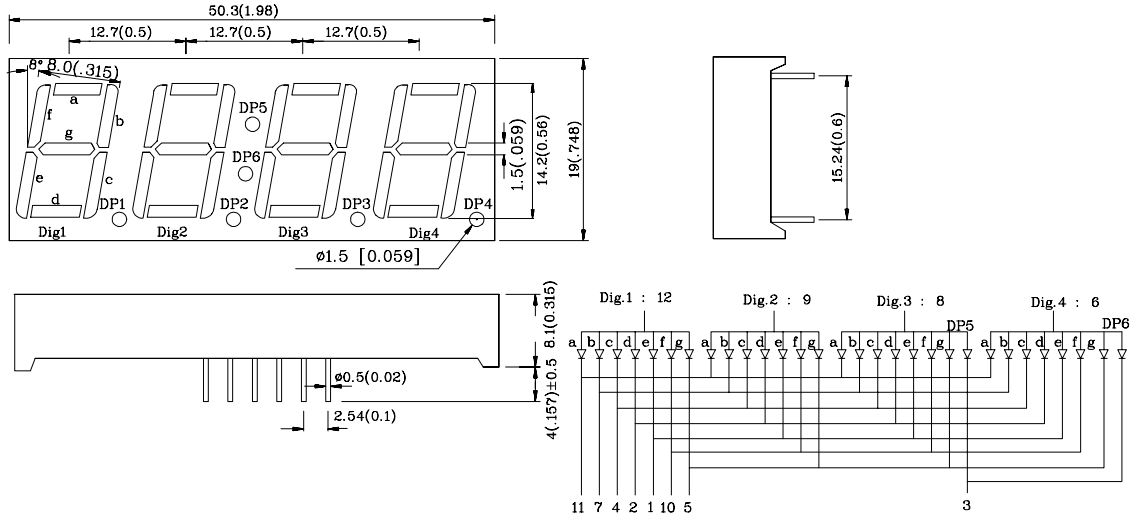
XDMR14A4-1A



**SUN LED**

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## Notes:

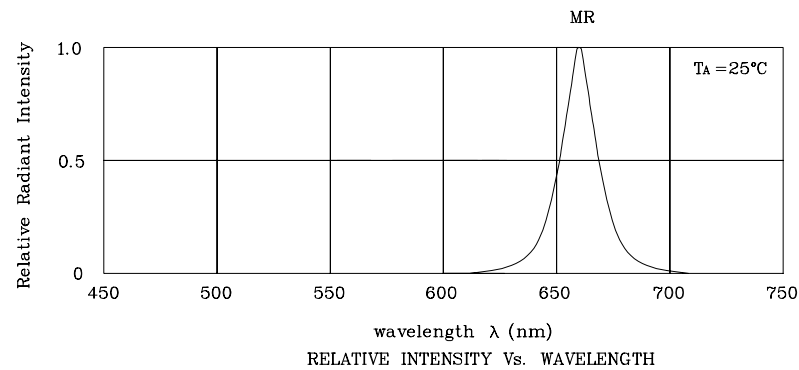
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

| Absolute maximum ratings<br>(T <sub>A</sub> =25°C)            |                     | MR<br>(GaAlAs) | 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>     | 155            | mA   |
| Power dissipation                                             | P <sub>T</sub>      | 100            | 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>( $T_A=25^\circ\text{C}$ )     |                  | MR<br>(GaAlAs) | Unit          |
|-------------------------------------------------------------|------------------|----------------|---------------|
| Forward voltage (typ.)<br>( $I_F=10\text{mA}$ )             | $V_F$            | 1.8            | 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>( $I_F=10\text{mA}$ )     | $\lambda_{peak}$ | 660            | nm            |
| Wavelength at Dominate<br>emission<br>( $I_F=10\text{mA}$ ) | $\lambda_D$      | 640            | nm            |
| Spectral Line half-width<br>( $I_F=10\text{mA}$ )           | $\Delta\lambda$  | 20             | nm            |
| Capacitance<br>( $V_F=0\text{V}$ , $f=1\text{MHz}$ )        | $C$              | 45             | 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  |
|----------------|-------------------|----------------------|-------------------------------------------------------------------------|-------|---------------------------------|--------------|
| XDMR14A4-1A    | Red               | GaAlAs               | 8000                                                                    | 23990 | 660                             | Common Anode |

XDMR14A4-1A



❖MR

