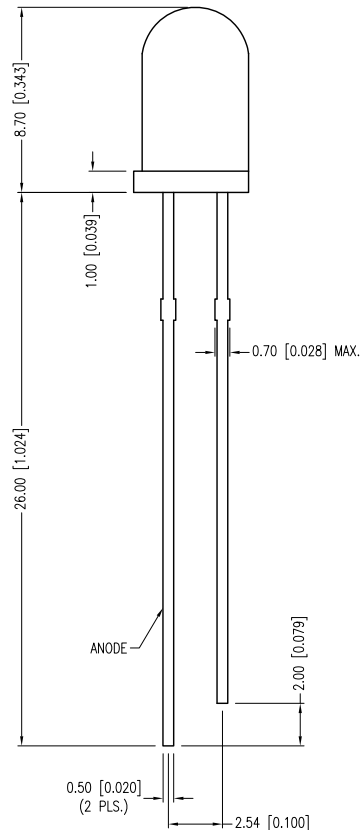
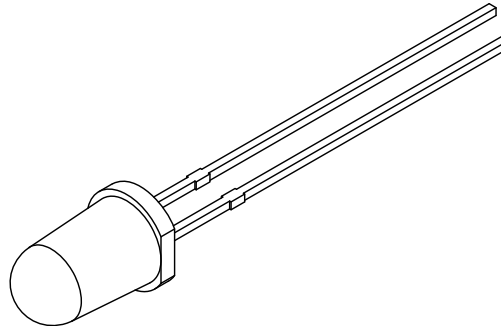
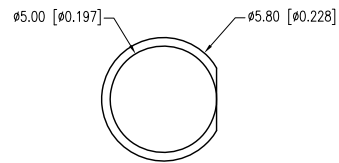


| ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA |             |      |     |          |           |
|---------------------------------------------------|-------------|------|-----|----------|-----------|
| PARAMETER                                         | MIN         | TYP. | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                   |             | 636  |     | nm       |           |
| FORWARD VOLTAGE                                   | 1.8         | 2.4  | 2.6 | Vf       |           |
| REVERSE VOLTAGE                                   | 5.0         |      |     | Vr       | Ir=10μA   |
| AXIAL INTENSITY                                   |             | 5000 |     | mcd      | If=20mA   |
| VIEWING ANGLE                                     |             | 30   |     | 2x theta |           |
| EMITTED COLOR:                                    | RED         |      |     |          |           |
| EPOXY LENS FINISH:                                | WATER CLEAR |      |     |          |           |

| LIMITS OF SAFE OPERATION AT 25°C |            |           |
|----------------------------------|------------|-----------|
| PARAMETER                        | MAX        | UNITS     |
| PEAK FORWARD CURRENT*            | 200        | mA        |
| STEADY CURRENT                   | 30         | mA        |
| POWER DISSIPATION                | 110        | mW        |
| DERATE FROM 25°C                 | -1.2       | mW/°C     |
| OPERATING TEMP.                  | -40 TO +80 | °C        |
| STORAGE TEMP.                    | -40 TO +85 | °C        |
| SOLDERING TEMP.                  | +260       | °C        |
| 2.0mm FROM BODY                  | 3          | SEC. MAX. |

\* t&lt;10μS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX.= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub>