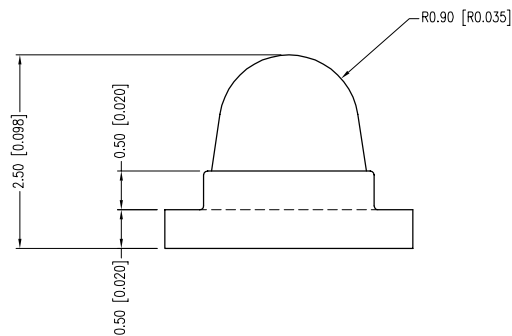
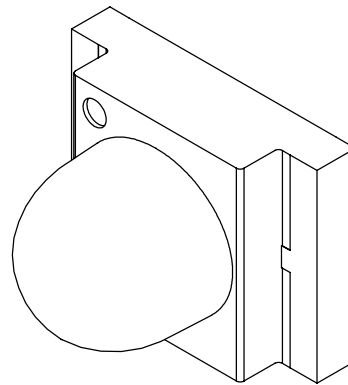
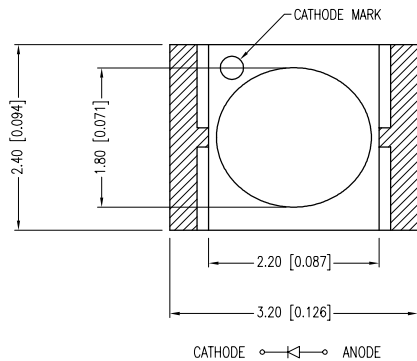
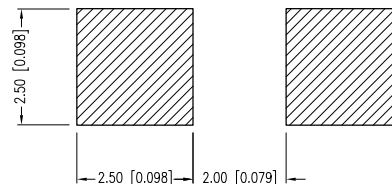


## RECOMMENDED SOLDER PAD LAYOUT



## ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA

| PARAMETER          | MIN         | TYP. | MAX  | UNITS    | TEST COND |
|--------------------|-------------|------|------|----------|-----------|
| PEAK WAVELENGTH    |             | 639  |      | nm       |           |
| FORWARD VOLTAGE    |             | 2.0  | ---  | Vf       | Ir=100μA  |
| REVERSE VOLTAGE    | 5.0         |      |      | Vr       | If=20mA   |
| AXIAL INTENSITY    | 715         |      | 1800 | mcd      |           |
| 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* | 60         | mA        |
| STEADY CURRENT        | 25         | mA        |
| POWER DISSIPATION     | 60         | mW        |
| DERATE FROM 25°C      | -1.2       | mW/°C     |
| OPERATING TEMP.       | -40 TO +85 | °C        |
| STORAGE TEMP.         | -40 TO +90 | °C        |
| SOLDERING TEMP.       | +260       | °C        |
| 2.0mm FROM BODY       | 5          | SEC. MAX. |

\* t&lt;10μS

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 4 STANDARDS

\*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.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



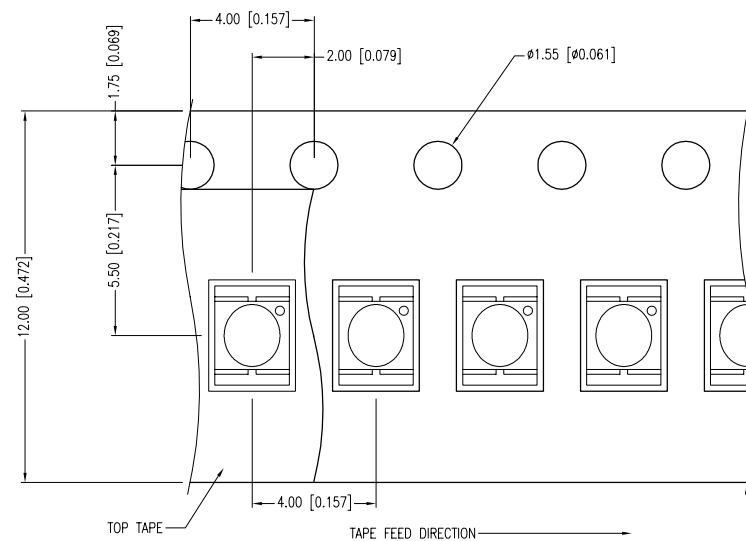
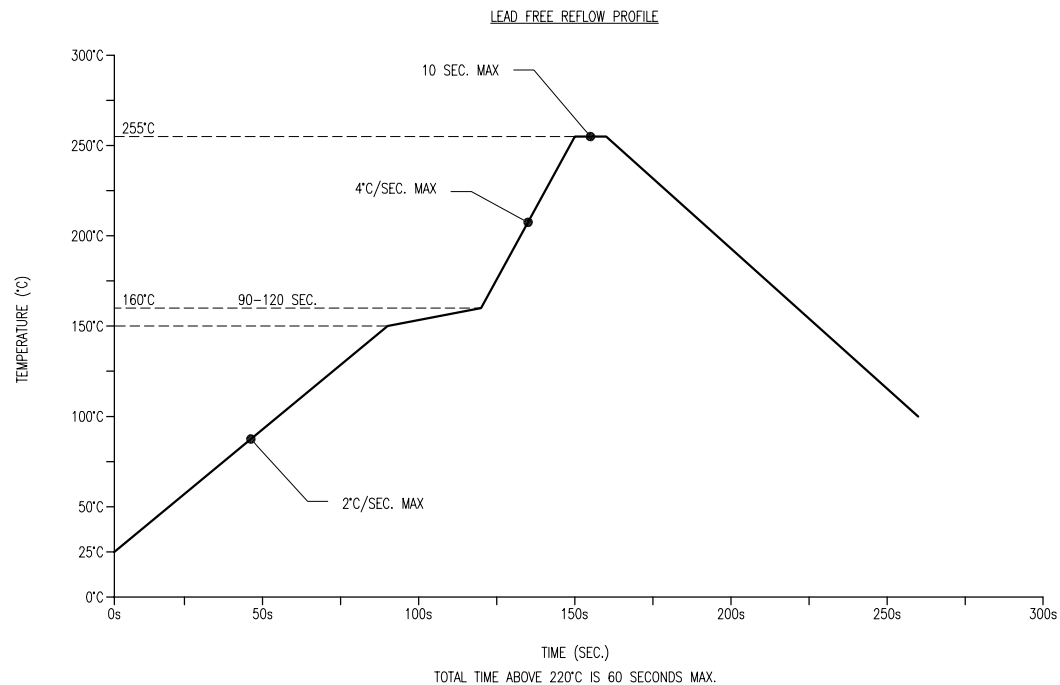
290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
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WEB: WWW.LUMEX.COM

3.2x2.4mm SURFACE MOUNT LED, 639nm DARK RED, WATER CLEAR LENS, TAPE &amp; REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 04.13.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 2    | CHKD BY:  | JD |
| SCALE: | NTS       | APRVD BY: | JD |
| UNIT:  | mm [INCH] |           | Ⓟ  |

NOTES:

1. CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE, 1,000 PCS. PER REEL.

\*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>

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