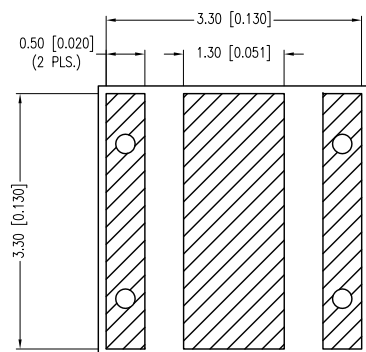
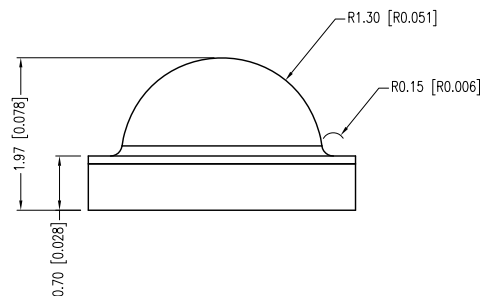
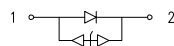
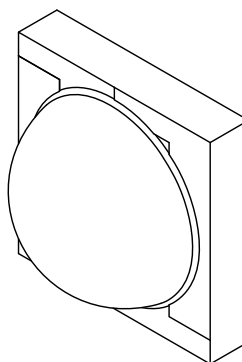
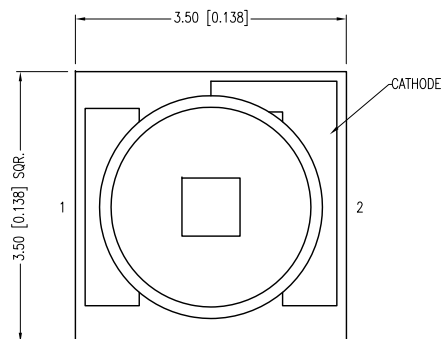
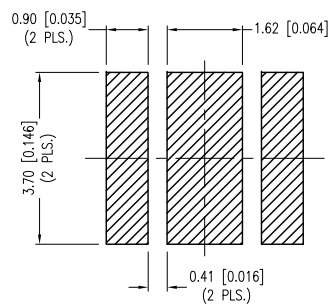




## RECOMMENDED SOLDER PAD LAYOUT



| ELECTRO-OPTICAL CHARACTERISTICS |             | Ta=25°C |     | If=350mA |           |
|---------------------------------|-------------|---------|-----|----------|-----------|
| PARAMETER                       | MIN         | TYP     | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                 |             | 525     |     | nm       |           |
| FORWARD VOLTAGE                 | 2.8         | 3.2     | 3.4 | Vf       | If=350mA  |
| REVERSE VOLTAGE                 | 5.0         |         |     | Vr       | Ir=10μA   |
| AXIAL INTENSITY                 | 70          | 90      | 110 | lm       | If=350mA  |
| VIEWING ANGLE                   |             | 130     |     | 2x theta |           |
| EMITTED COLOR:                  | GREEN       |         |     |          |           |
| LENS FINISH:                    | WATER CLEAR |         |     |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX         | UNITS |
|-----------------------|-------------|-------|
| PEAK FORWARD CURRENT* | 1000        | mA    |
| STEADY CURRENT        | 700         | mA    |
| LED JUNCTION TEMP.    | 110         | °C    |
| DERATE FROM 25°C      | -1.2        | mW/°C |
| OPERATING TEMP.       | -40 TO +80  | °C    |
| STORAGE TEMP.         | -40 TO +100 | °C    |

\* t&lt;10μs

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 1 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



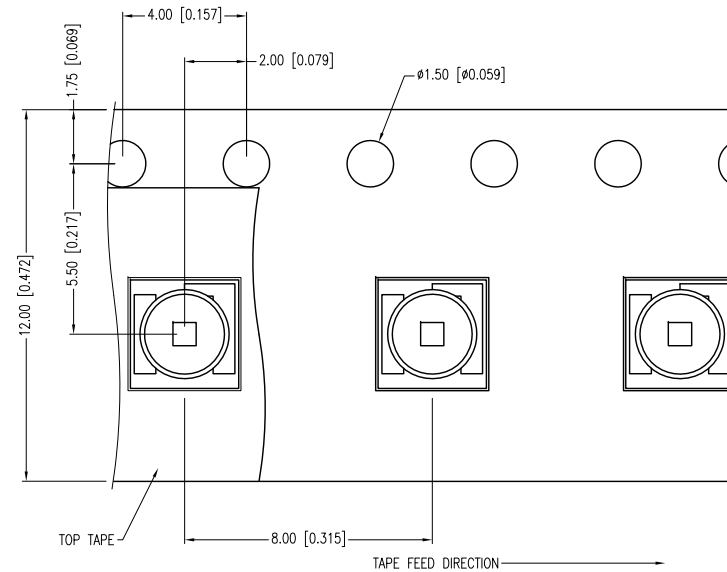
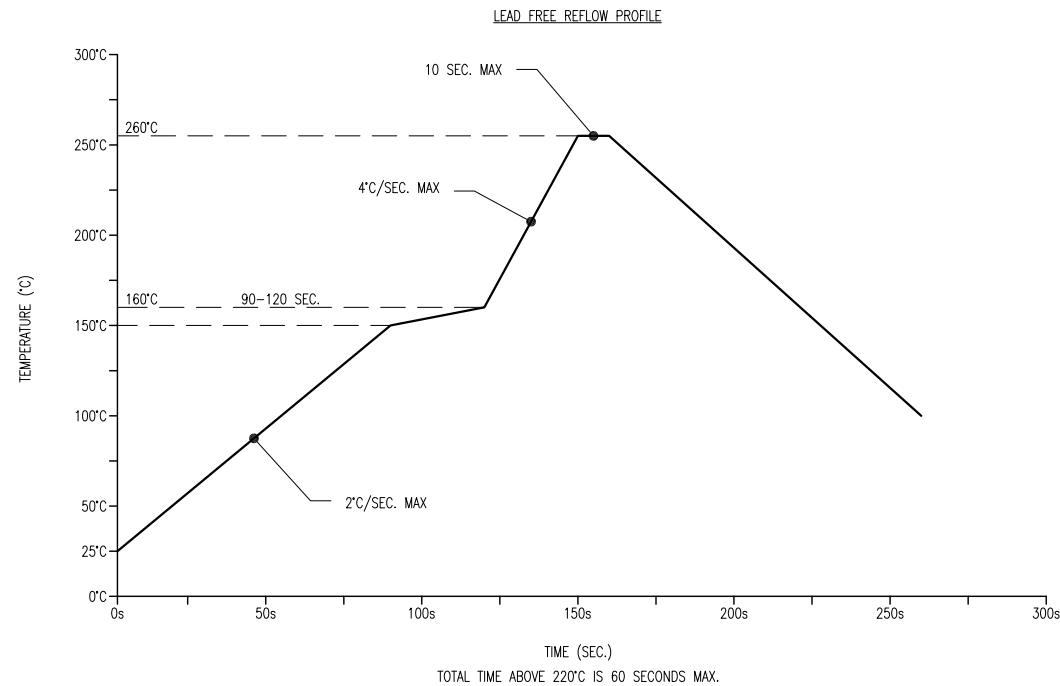
290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

3.5mm X 3.5mm TOP DOME SMT LED, GREEN, 2W.

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

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| DATE:  | 01.17.14  | DRAWN BY: | MA |
| PAGE:  | 1 OF 2    | CHKD BY:  | DT |
| SCALE: | NTS       | APRVD BY: | DT |
| UNIT:  | mm [INCH] |           | Ⓟ  |



\*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.=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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| DATE:  | 01.17.14  | DRAWN BY: | MA   |
| PAGE:  | 2 OF 2    | CHKD BY:  | DT   |
| SCALE: | NTS       | APRVD BY: | DT   |
| UNIT:  | mm [INCH] |           | (P6) |