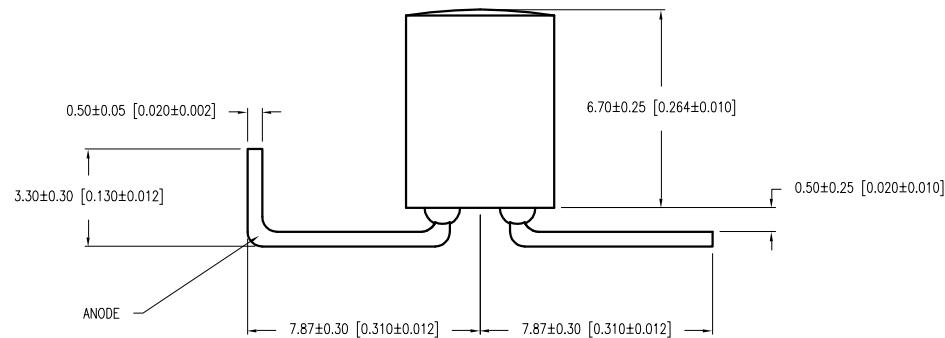
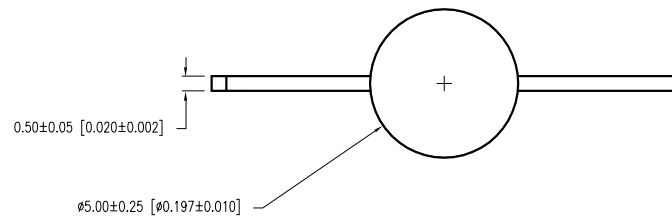
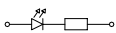


ANODE  CATHODEELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=14\text{V}$ 

| PARAMETER          | MIN                | TYP | MAX | UNITS    | TEST COND        |
|--------------------|--------------------|-----|-----|----------|------------------|
| PEAK WAVELENGTH    |                    | 590 |     | nm       | $V_f=14\text{V}$ |
| FORWARD CURRENT    |                    | 8.5 | 12  | mA       |                  |
| REVERSE CURRENT    |                    |     | 10  | uA       | $V_r=5\text{V}$  |
| AXIAL INTENSITY    | 28                 | 70  |     | mcd      | $V_f=14\text{V}$ |
| VIEWING ANGLE      |                    | 50  |     | 2x theta |                  |
| EMITTED COLOR:     | YELLOW             |     |     |          |                  |
| EPOXY LENS FINISH: | YELLOW TRANSPARENT |     |     |          |                  |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$  PER DIE

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 16         | mA                     |
| STEADY CURRENT                   | 8.8        | mA                     |
| POWER DISSIPATION                | 160        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP.                  | -40 TO +70 | $^{\circ}\text{C}$     |
| STORAGE TEMP.                    | -40 TO +85 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  | 5          | SEC. MAX               |

\*  $t < 10\mu\text{s}$ 

## NOTES:

1. CUSTOMER PART #28-6362.

\*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=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$ 290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

T-5mm (T-1 3/4) YELLOW LED, YELLOW TRANSPARENT LENS.

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

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|        |           |           |     |
|--------|-----------|-----------|-----|
| DATE:  | 01.20.10  | DRAWN BY: | JN  |
| PAGE:  | 1 OF 1    | CHKD BY:  |     |
| SCALE: | N/A       | APRVD BY: | BC  |
| UNIT:  | mm [INCH] |           | (R) |