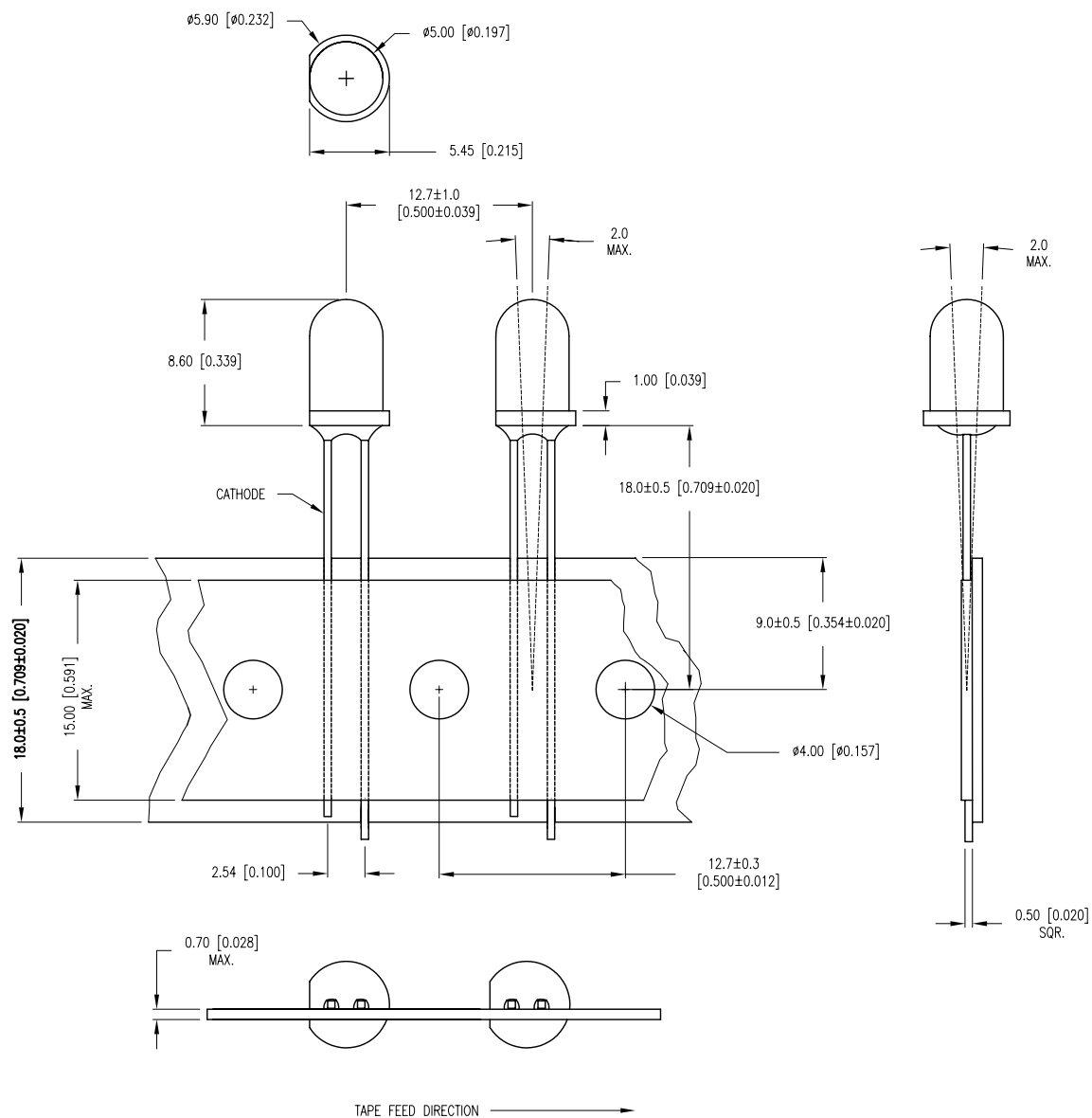


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX5093YD-TR                     | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 09.21.11    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN             | TYP | MAX | UNITS          | TEST COND                   |
|--------------------|-----------------|-----|-----|----------------|-----------------------------|
| PEAK WAVELENGTH    |                 | 585 |     | nm             |                             |
| FORWARD VOLTAGE    |                 | 2.1 | 2.5 | V <sub>f</sub> |                             |
| REVERSE VOLTAGE    | 5.0             |     |     | V <sub>r</sub> | I <sub>r</sub> =100 $\mu$ A |
| AXIAL INTENSITY    |                 | 30  |     | mcd            | I <sub>f</sub> =20mA        |
| VIEWING ANGLE      |                 | 60  |     | 2x theta       |                             |
| EMITTED COLOR:     | YELLOW          |     |     |                |                             |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |     |     |                |                             |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS     |
|-----------------------|------------|-----------|
| PEAK FORWARD CURRENT* | 150        | mA        |
| STEADY CURRENT        | 30         | mA        |
| POWER DISSIPATION     | 105        | mW        |
| DERATE FROM 25°C      | -1.2       | mW/°C     |
| OPERATING TEMP.       | -40 TO +85 | °C        |
| STORAGE TEMP.         | -40 TO +85 | °C        |
| SOLDERING TEMP.       | +260       | °C        |
| 2.0mm FROM BODY       | 3          | SEC. MAX. |

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

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

T-5 (T-1 3/4) LED, YELLOW DIFFUSED, TAPE &amp; REEL.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 09.21.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓟ  |

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