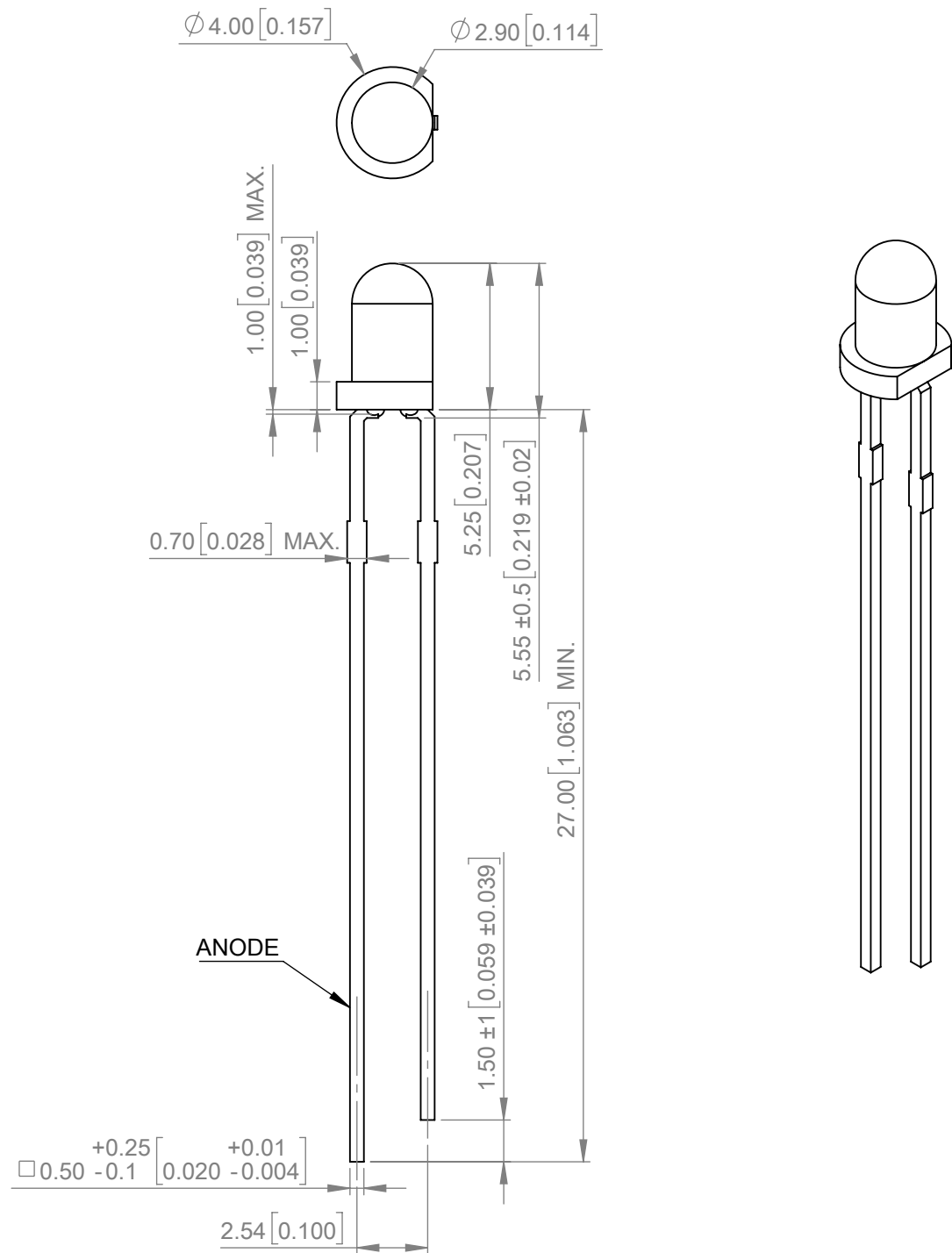


| PART NUMBER |                                     | SSL-LX3054SID | REV | B        |
|-------------|-------------------------------------|---------------|-----|----------|
| REV         | E.C.N. NUMBER AND REVISION COMMENTS |               |     | DATE     |
| A           | E.C.N. #10BRDE. & REDRAWN.          |               |     | 07.23.12 |
| B           | ECN-Lumex202400022                  |               |     | 05.24.24 |



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER          | MIN          | TYP  | MAX  | UNITS       | TEST COND |
|--------------------|--------------|------|------|-------------|-----------|
| PEAK WAVELENGTH    | -            | 645  | -    | nm          | If=20mA   |
| FORWARD VOLTAGE    | -            | 1.95 | 2.50 | Vf          | If=20mA   |
| REVERSE CURRENT    | -            | -    | 10   | uA          | Vr=5V     |
| LUMINOUS INTENSITY | -            | 300  | -    | mcd         | If=20mA   |
| VIEWING ANGLE      | -            | 60   | -    | 2x theta1/2 | -         |
| EMITTED COLOR      | RED          |      |      |             |           |
| EPOXY LENS FINISH  | RED DIFFUSED |      |      |             |           |

ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER               | MAX              | UNITS |
|-------------------------|------------------|-------|
| PEAK FORWARD CURRENT*   | 150              | mA    |
| FORWARD CURRENT         | 30               | mA    |
| REVERSE VOLTAGE         | 5                | V     |
| POWER DISSIPATION       | 75               | mW    |
| STORAGE TEMPERATURE     | -40 TO +85       | °C    |
| OPERATING TEMPERATURE   | -40 TO +85       | °C    |
| SOLDERING TEMPERATURE** | 3 SEC. MAX. @260 | °C    |

\* 1/10 DUTY CYCLE, 0.1ms PULSE WIDTH  
\*\* 2mm BELOW PACKAGE BASE

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

\*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=±0.125 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.00 DECIMAL PRECISION MAX.= +0.00 DECIMAL PRECISION



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T-3mm (T-1) 645nm SUPER HIGH INTENSITY RED LED, RED DIFFUSED LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE\*\*

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|                  |                 |
|------------------|-----------------|
| DATE : 05.24.24  | DRAWN BY : S.F. |
| PAGE : 1 OF 1    | CHKD BY : E.C.  |
| SCALE : NTF      | APRVD BY : G.Y. |
| UNIT : mm [INCH] | Ⓢ               |