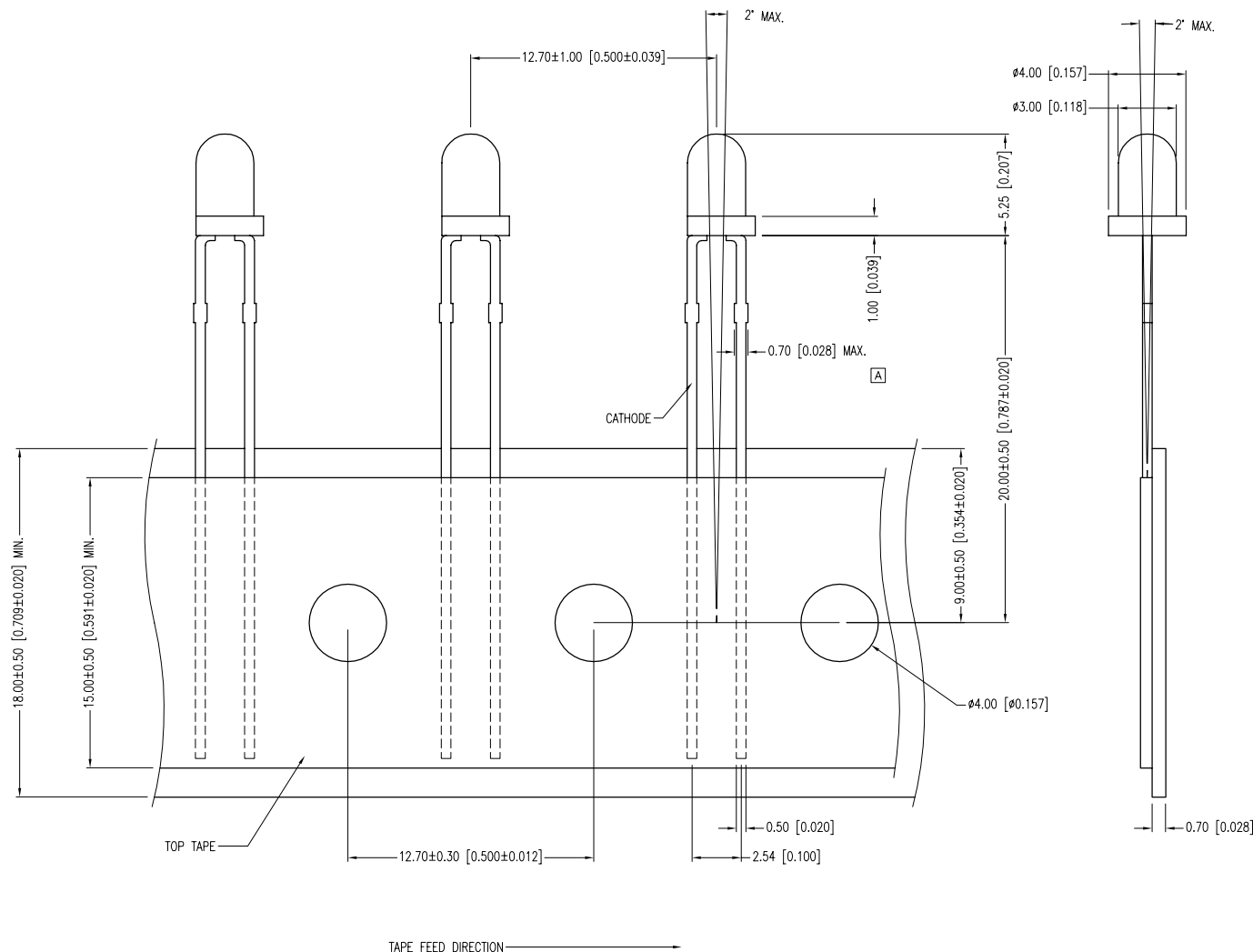


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX3054GD-TR                     | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 06.13.11    | E.C.N. #10BRDR. & REDRAWN/#11728.   |      | A    |



| [A] ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA |                |      |     |          |           |
|------------------------------------------------------|----------------|------|-----|----------|-----------|
| PARAMETER                                            | MIN            | TYP. | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                      |                | 565  |     | nm       |           |
| FORWARD VOLTAGE                                      |                | 2.2  | 2.5 | Vf       |           |
| REVERSE VOLTAGE                                      | 5.0            |      |     | Vr       | Ir=100μA  |
| AXIAL INTENSITY                                      | 14             | 30   |     | mcd      | If=10mA   |
| VIEWING ANGLE                                        |                | 60   |     | 2x theta |           |
| EMITTED COLOR:                                       | GREEN          |      |     |          |           |
| EPOXY LENS FINISH:                                   | GREEN DIFFUSED |      |     |          |           |

| [A] LIMITS OF SAFE OPERATION AT 25°C |            |           |
|--------------------------------------|------------|-----------|
| PARAMETER                            | MAX        | UNITS     |
| PEAK FORWARD CURRENT*                | 140        | mA        |
| STEADY CURRENT                       | 25         | mA        |
| POWER DISSIPATION                    | 63         | 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&lt;10μS

## NOTES:

1. 1,500 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>+DECIMAL PRECISION</sup><sub>-0.00</sub>

UNCONTROLLED DOCUMENT



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T-3mm (T-1) 565nm GREEN LED, GREEN DIFFUSED LENS, TAPE AND REEL, 1.5k PER REEL.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 06.13.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | BC |
| UNIT:  | mm [INCH] |           | Ⓟ  |