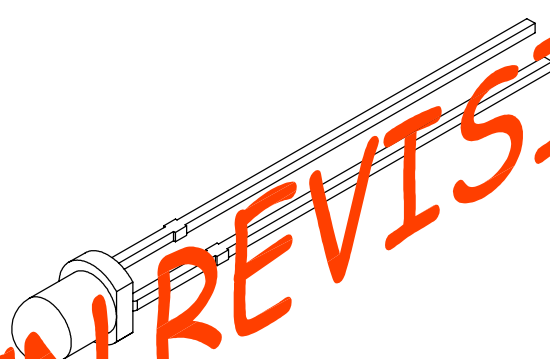
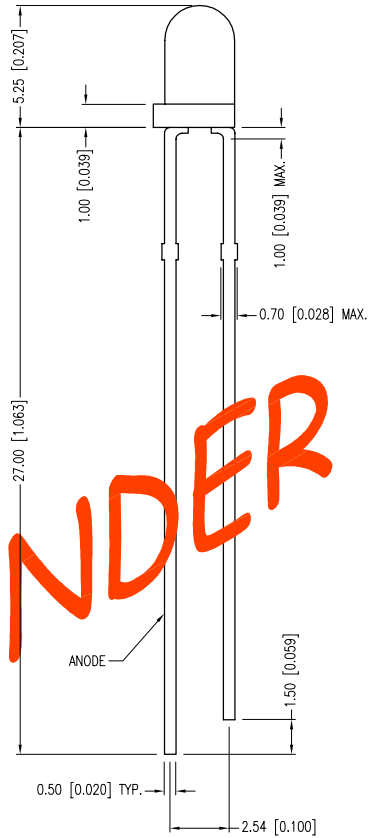
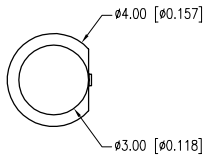


| | | | |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX3054HD | REV. | B |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 07.25.95 | REDRAWN AND UPDATED SPECS. | | A |
| 04.09.01 | E.C.N. #10BRDR. & REDRAWN IN 3D. | | B |
| 03.28.11 | E.C.N. #10BRDR. & REDRAWN/#11703. | | C |



UNDER ECN REVISION

UNDER ECN REVISION

[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 | | 80 | | mcd | If=10mA |
| VIEWING ANGLE | | 50 | | 2x theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

[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. |
| * I_t <math>< 10\mu s</math> | | |

*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.= ^{DECIMAL PRECISION}

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T-3mm (T-1) 700nm RED LED, RED DIFFUSED LENS.

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

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| | | | |
|--------|-----------|-----------|----|
| DATE: | 05.19.11 | DRAWN BY: | AB |
| PAGE: | 1 OF 1 | CHKD BY: | -- |
| SCALE: | NTS | APRVD BY: | -- |
| UNIT: | mm [INCH] | | Ⓟ |

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