

| DATE | REVISIONS | REV |
|----------|--------------------------|-----|
| 11-28-94 | REDRAWN, UPDATED SPECS./ | A |
| 4-23-96 | E.C.N. #10152./ | B |

| DRAWING NUMBER | REV |
|------------------|-----|
| SSL-LX3044LGD-TR | B |

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

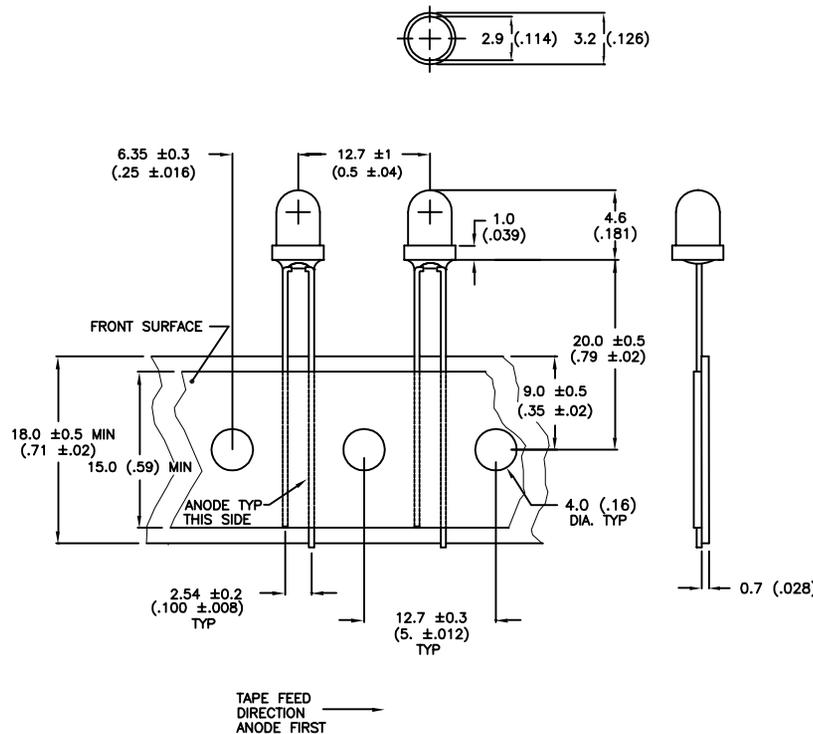
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-------------------|----------------|-------------|-----|------------|------------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.8 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 15 | | mcd | $I_f = 20\text{mA}$ |
| | 1.5 | | | mcd | $I_f = 2\text{mA}$ |
| VIEWING ANGLE | | 80 | | $2x$ theta | |
| EMITTED COLOR | GREEN | | | | |
| EPOXY LENS FINISH | GREEN DIFFUSED | | | | |

Ⓐ LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 55°C | -1.2 | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP | -40 TO +85 | $^\circ\text{C}$ |
| LEAD SOLDERING TEMP | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

RELIABILITY NOTE
 OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



TOLERANCE: ± 0.2 (± 0.008)

NOTES
 1. 2K PER REEL.

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| LUMEX OPTO COMPONENTS INC. | | 292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790 | |
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| DATE: 8-24-93 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |
| T-3 (T-1) LED, GREEN DIFFUSED, SPECIAL LOW CURRENT, TAPE AND REEL | | | |
| PAGE 1 OF 1 | DRAWING NUMBER SSL-LX3044LGD-TR | | REV B |

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