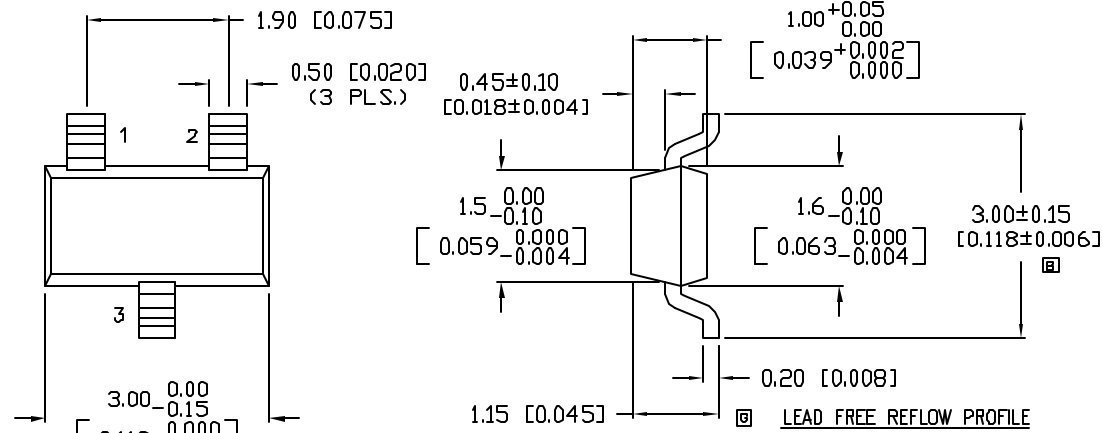
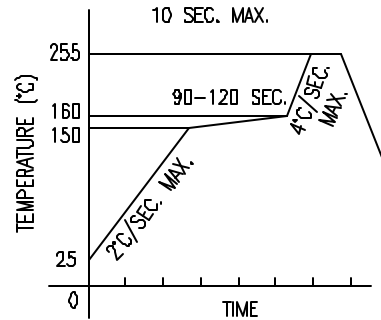
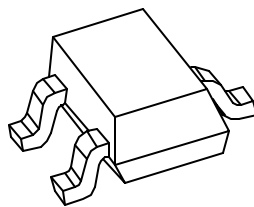
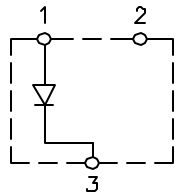


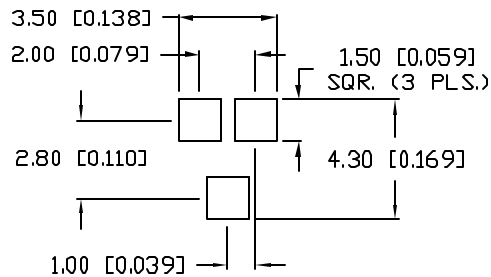
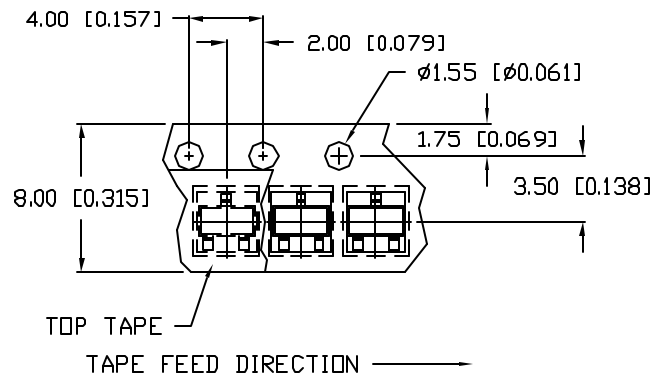
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TOP VIEW POLARITY



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



|                  |                                     |         |
|------------------|-------------------------------------|---------|
| PART NUMBER      |                                     | REV.    |
| SSL-LX15GC-RP-TR |                                     | G       |
| REV.             | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A                | E.C.N. #10165.                      | 5.21.96 |
| B                | E.C.N. #10412.                      | 4.28.98 |
| C                | E.C.N. #10BRDR. & REDRAWN.          | 1.15.01 |
| D                | E.C.N. #10752.                      | 5.25.01 |
| E                | E.C.N. #10877.                      | 6.10.02 |
| F                | E.C.N. #10901.                      | 8.22.02 |
| G                | E.C.N. #11148.                      | 2.16.05 |

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

| PARAMETER          | MIN         | TYP | MAX | UNITS          | TEST COND             |
|--------------------|-------------|-----|-----|----------------|-----------------------|
| PEAK WAVELENGTH    |             | 565 |     | nm             |                       |
| FORWARD VOLTAGE    |             | 2.2 | 2.6 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE    | 5.0         |     |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY    |             | 10  |     | med            | I <sub>f</sub> =20mA  |
| VIEWING ANGLE      |             | 140 |     | 2x theta       |                       |
| EMITTED COLOR:     | GREEN       |     |     |                |                       |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |                |                       |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 180        | mA    |
| STEADY CURRENT           | 25         | mA    |
| POWER DISSIPATION        | 100        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -30 TO +85 | °C    |

\* t < 10μS

NOTES:

- 1. 3,000 PIECES PER REEL.
- 2. PIN 3 IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- 3. LABEL MUST BE PERMANENTLY ATTACHED TO EACH REEL.



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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030), MIN= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

|   |                  |
|---|------------------|
| REV.  | PART NUMBER      |
| G   | SSL-LX15GC-RP-TR |
| SOT-23 SURFACE MOUNT 565nm GREEN LED,<br>WATER CLEAR LENS, TAPE AND REEL. |                  |

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**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.

|               |             |   |
|---------------|-------------|---|
|               |             | 290 E. HELEN ROAD<br>PALATINE, IL 60067-6976<br>PHONE: +1.847.359.2790<br>US WEB: www.lumex.com<br>TW WEB: www.lumex.com.tw |
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| BC            |             |   |
| DATE: 2.23.95 |             | PAGE: 1 OF 1  |
| SCALE: N/A    |             |   |