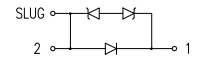
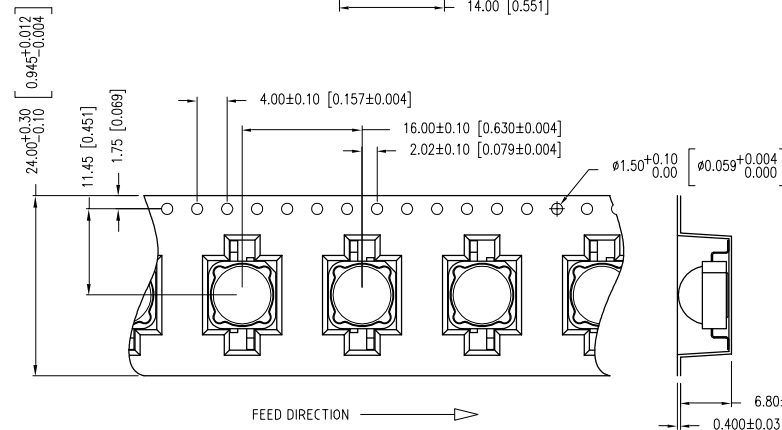
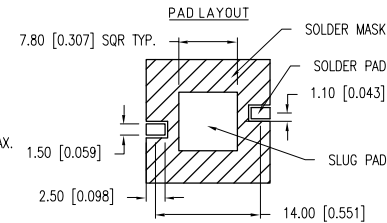
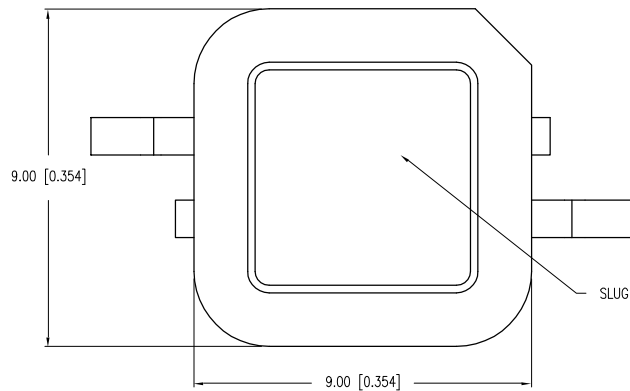
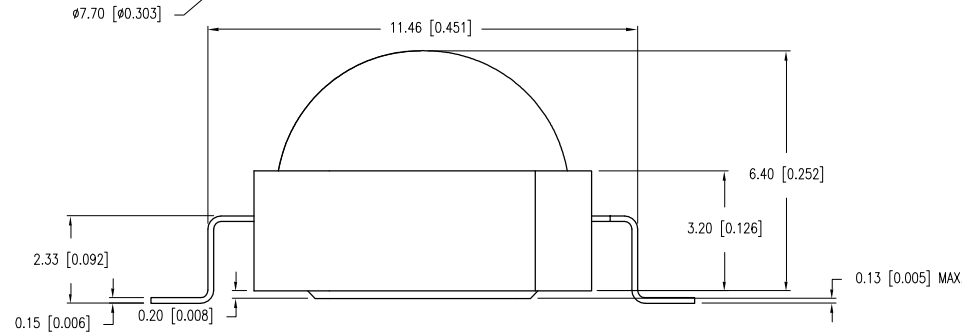
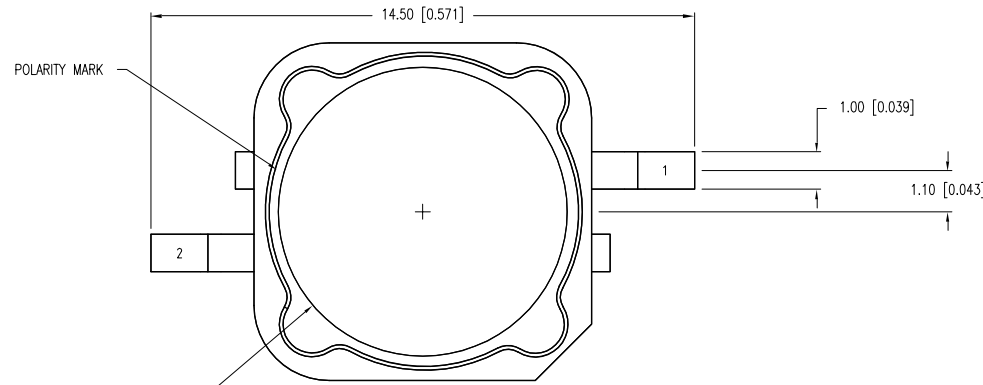


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SML-LXL99UWC-TR/5                   | REV. |      |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 06.15.10    | E.C.N. #: 11648 & REDRAWN           |      | A    |



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

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=1200\text{mA}$ 

| PARAMETER          | MIN         | TYP  | MAX  | UNITS           | TEST COND              |
|--------------------|-------------|------|------|-----------------|------------------------|
| PEAK WAVELENGTH    |             | 4.5  | 5.1  | nm              |                        |
| FORWARD VOLTAGE    |             |      |      | $V_f$           | $I_f = 1200\text{mA}$  |
| REVERSE VOLTAGE    | 5.0         |      |      | $V_r$           | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY    | 140         |      | 240  | lm              | $I_f = 1200\text{mA}$  |
| COLOR TEMP         | 5310        | 6000 | 7040 | K               |                        |
| VIEWING ANGLE      |             | 100  |      | $2\times$ theta |                        |
| EMITTED COLOR:     | WHITE       |      |      |                 |                        |
| EPOXY LENS FINISH: | WATER CLEAR |      |      |                 |                        |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX         | UNITS                  |
|----------------------------------|-------------|------------------------|
| PEAK FORWARD CURRENT*            | 1500        | mA                     |
| STEADY CURRENT                   | 1200        | mA                     |
| LED JUNCTION TEMPERATURE         | 110         | $^{\circ}\text{C}$     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2        | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +100 | $^{\circ}\text{C}$     |
| IRON SOLDERING                   | 350         | $^{\circ}\text{C}$     |
| SOLDERING TIME                   | 3           | SEC                    |

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

## [A]NOTES:

1. NOT REFLOW SOLDERING COMPATIBLE.

\*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

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7.7mm DIA TOP DOME SMT LED HIGH POWER COOL WHITE 5W.

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

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|        |           |           |     |
|--------|-----------|-----------|-----|
| DATE:  | 03.24.10  | DRAWN BY: | JN  |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS  |
| SCALE: | N/A       | APRVD BY: | KF  |
| UNIT:  | mm [INCH] |           | (R) |