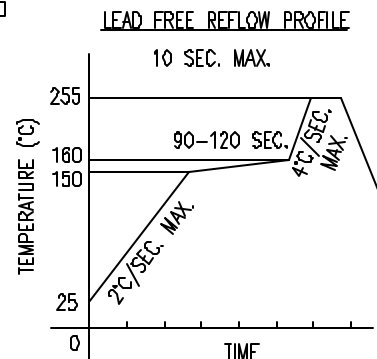
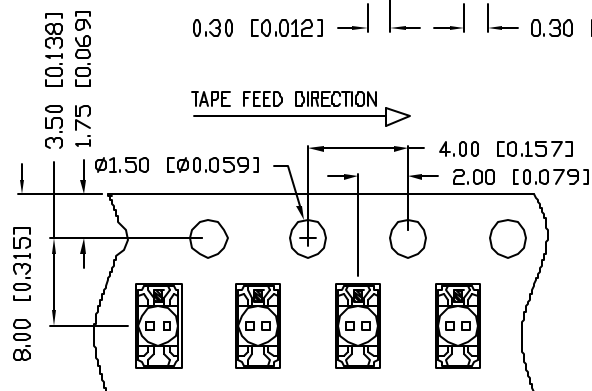
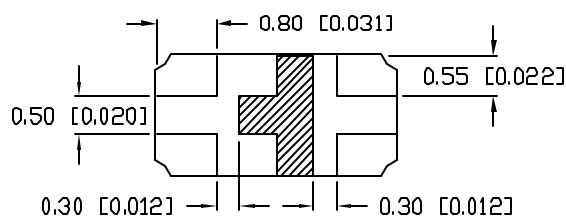
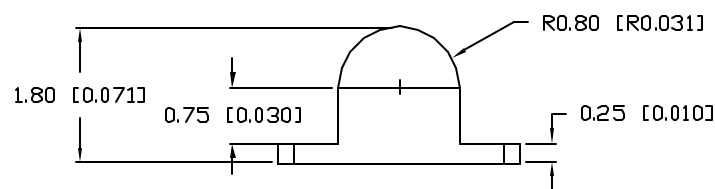
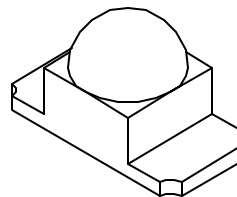
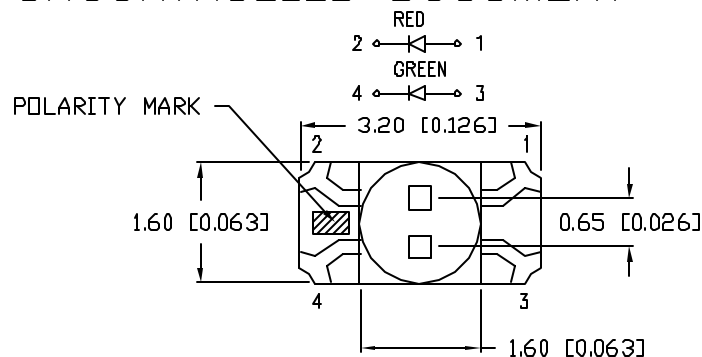


UNCONTROLLED DOCUMENT

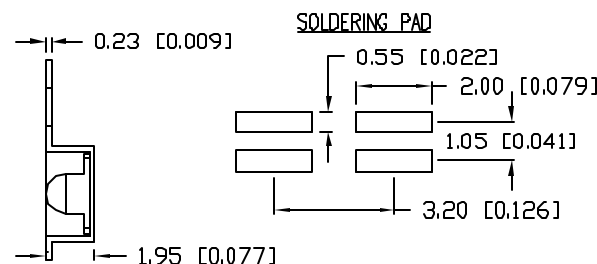
PART NUMBER

SML-LXL1306SISUGTR

REV.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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

| PARAMETER             | MIN         | TYP         | MAX | UNITS    | TEST COND            |
|-----------------------|-------------|-------------|-----|----------|----------------------|
| PEAK WAVELENGTH       |             | 636 (RED)   |     | nm       |                      |
|                       |             | 574 (GREEN) |     | nm       |                      |
| FORWARD VOLTAGE (R/G) |             | 2.0         | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0         |             |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |             | 30          |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |             | 60          |     | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN   |             |     |          |                      |
| EPOXY LENS FINISH:    | WATER CLEAR |             |     |          |                      |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    | (R/G)  | 185/150    | mA         |
| STEADY CURRENT           |        | 30         | mA         |
| POWER DISSIPATION        |        | 75         | mW         |
| DERATE FROM 25°C         |        | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. |        | -40 TO +85 | °C         |
| SOLDERING TEMP.          |        | +260       | °C         |
| 2.0mm FROM BODY          |        |            | 3 SEC. MAX |

\*  $t < 10\mu\text{s}$ CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

NOTE:

2K PER REEL

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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 MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LXL1306SISUGTR

3.2 mm x 1.6 mm BICOLOR SURFACE MOUNT LED WITH LENS,  
AlInGaP RED/GREEN LED, WATER CLEAR LENS, 2K PER REEL.

## CONFIDENTIAL INFORMATION

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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.

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