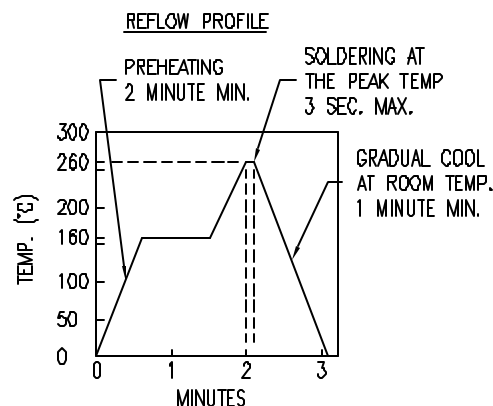
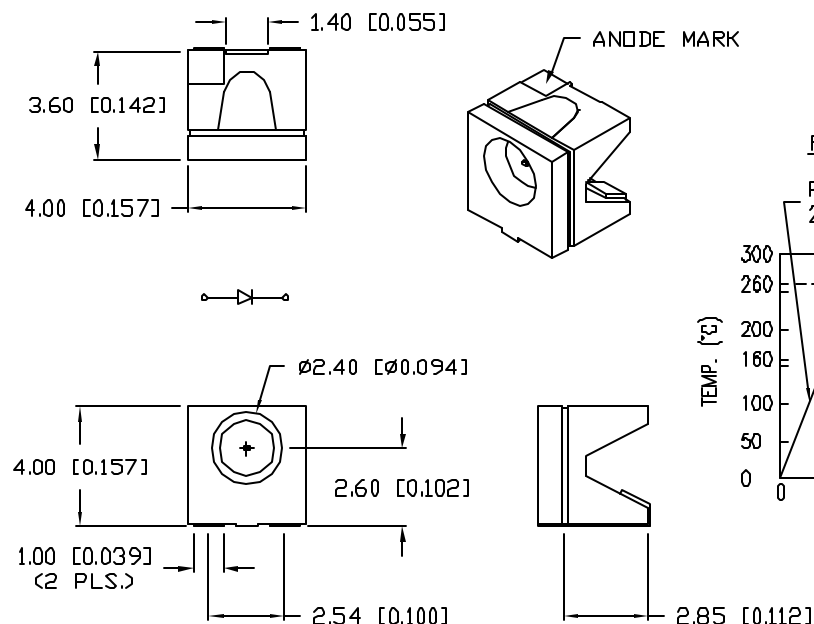
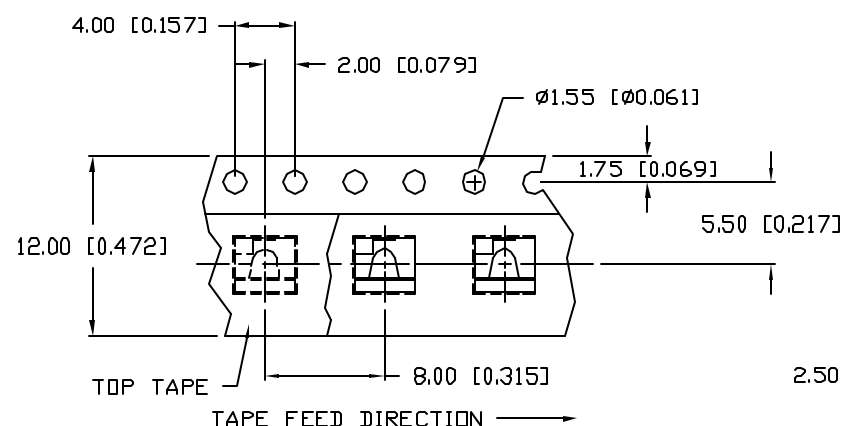


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

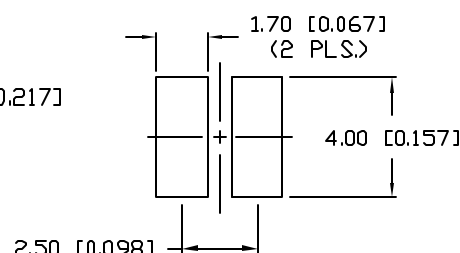
| PARAMETER          | MIN         | TYP | MAX | UNITS          | TEST COND            |
|--------------------|-------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH    |             | 660 |     | nm             |                      |
| FORWARD VOLTAGE    |             | 1.7 | 2.2 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE    | 5.0         |     |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 80  |     | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 90  |     | 2x theta       |                      |
| EMITTED COLOR:     | RED         |     |     |                |                      |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |                |                      |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 160        | mA    |
| STEADY CURRENT        | 30         | mA    |
| POWER DISSIPATION     | 100        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -40 TO +85 | °C    |
| STORAGE TEMP.         | -40 TO +85 | °C    |

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

RECOMMENDED SOLDER PAD LAYOUT



NOTES:

1. 500 PIECES PER REEL.

\*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

SML-LXR44SRC-RP-TR

RIGHT ANGLE BOOMERANG SURFACE MOUNT LED,  
660nm SUPER RED LED, WATER CLEAR LENS,  
REVERSE POLARITY.

## 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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SCALE: N/A

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