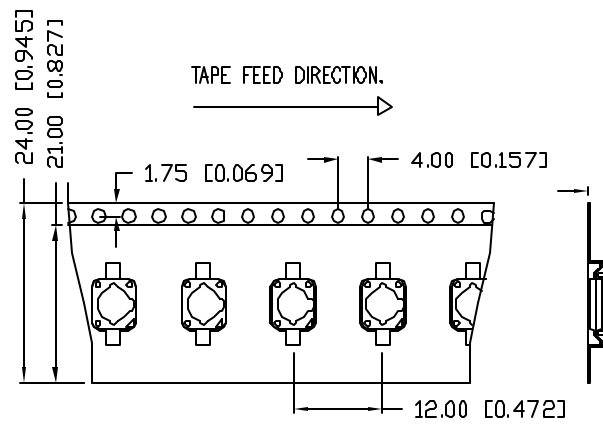
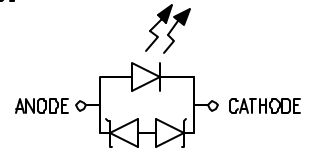
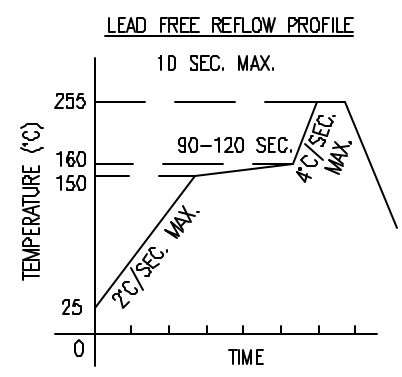
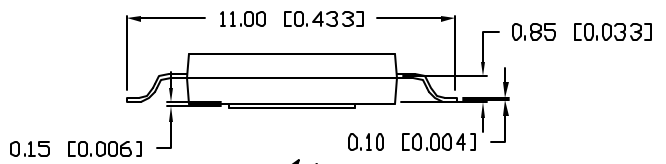
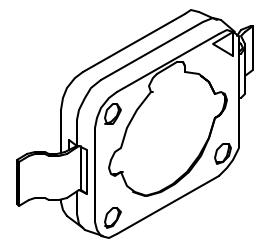
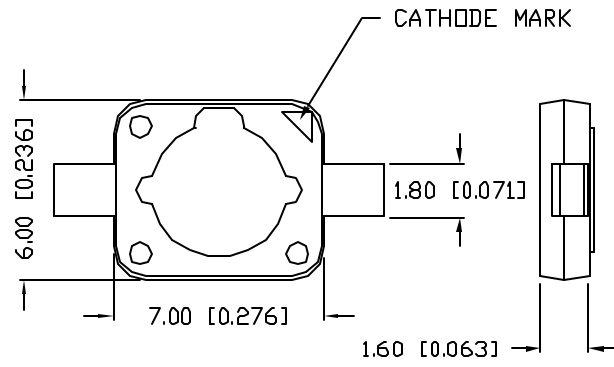


UNCONTROLLED DOCUMENT

PART NUMBER  
SML-LX2723SIC-TR

REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11459.                      | 12.07.07 |



NOTE:  
250 PECES PER REEL

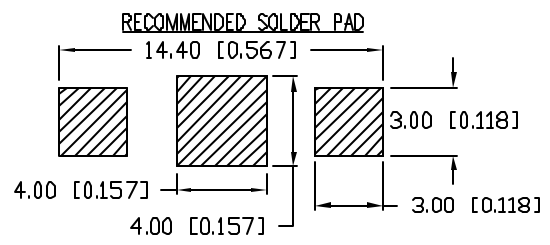
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$

| PARAMETER          | SYMBOL | MIN | TYP | MAX | UNITS    | TEST COND           |
|--------------------|--------|-----|-----|-----|----------|---------------------|
| PEAK WAVELENGTH    |        |     | 630 |     | nm       |                     |
| FORWARD VOLTAGE    | $V_f$  |     | 2.0 | 2.9 | V        | $I_f=350\text{mA}$  |
| REVERSE VOLTAGE    | $V_r$  | 5   |     |     | V        | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY    | $I_v$  | 23  |     | 39  | lm       | $I_f=350\text{mA}$  |
| VIEWING ANGLE      |        |     |     |     | 2x theta |                     |
| EMITTED COLOR:     |        |     |     |     | RED      |                     |
| EPOXY LENS FINISH: |        |     |     |     | CLEAR    |                     |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 500        | mA    |
| STEADY CURRENT           | 350        | mA    |
| POWER DISSIPATION        | 1.5        | W     |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C    |

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



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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      |
|------|------------------|
| A    | SML-LX2723SIC-TR |

7mm X 6mm SURFACE MOUNT HIGH POWER LED,  
630nm SUPER RED , 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.

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|                 |             |              |   |
|-----------------|-------------|--------------|---|
| DRAWN BY:<br>JN | CHECKED BY: | APPROVED BY: | DATE: 9.04.07<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|---|