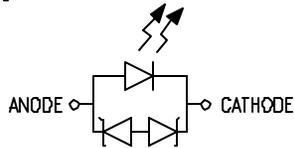
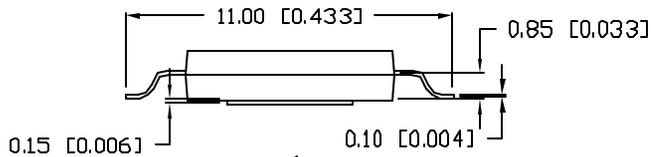
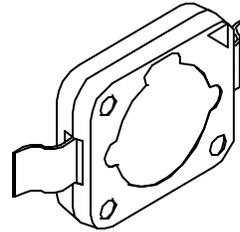
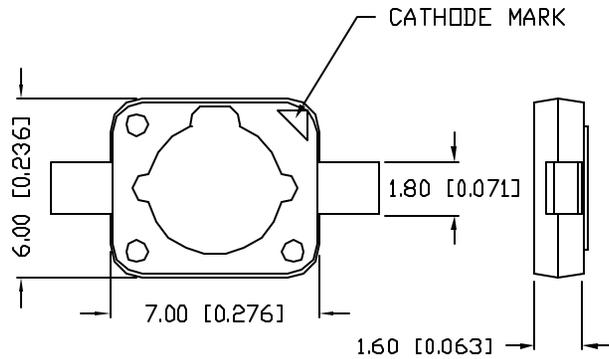


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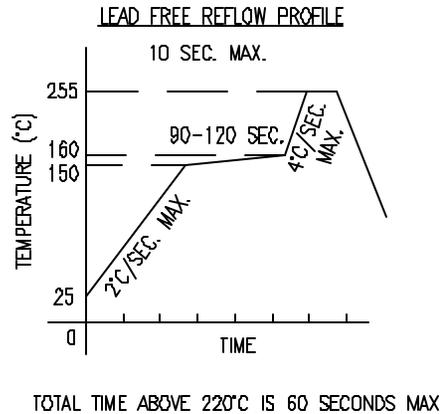
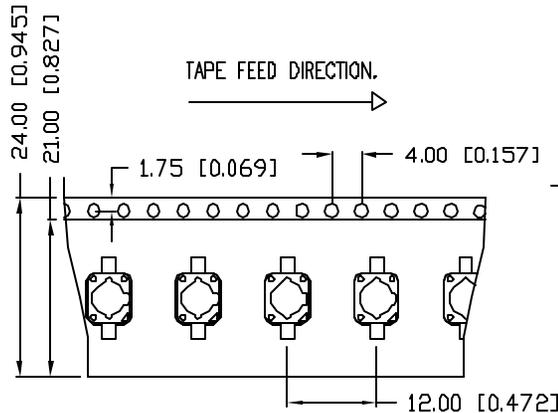
PART NUMBER
SML-LX2723UWC-TR

REV.
A

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



TAPE FEED DIRECTION.



NOTE:

250 PICES PER REEL

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

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

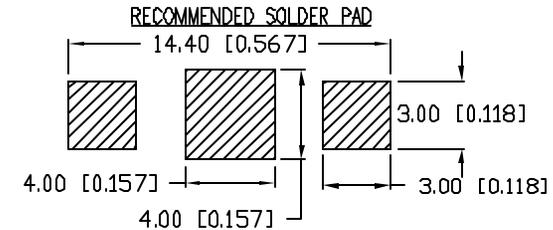
| PARAMETER | SYMBOL | MIN | TYP | MAX | UNITS | TEST COND |
|---------------------|--------|------|-----|------|----------|---------------------|
| PEAK WAVELENGTH | | | | | nm | |
| FORWARD VOLTAGE | V_f | | 3.2 | 4.0 | V | $I_f=350\text{mA}$ |
| REVERSE VOLTAGE | V_r | 5 | | | V | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY(*1) | I_v | 23 | | 39 | lm | $I_f=350\text{mA}$ |
| CHROMATICITY | X | 0.28 | | 0.36 | | $I_f=350\text{mA}$ |
| COORDINATES(*2) | Y | 0.25 | | 0.38 | | $I_f=350\text{mA}$ |
| VIEWING ANGLE | | | 120 | | 2x theta | |
| EMITTED COLOR: | WHITE | | | | | |
| EPOXY LENS FINISH: | CLEAR | | | | | |

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT* | 500 | mA |
| STEADY CURRENT | 350 | mA |
| POWER DISSIPATION | 2.1 | 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. A PART NUMBER SML-LX2723UWC-TR

7mm X 6mm SURFACE MOUNT HIGH POWER LED,
ULTRA WHITE , 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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