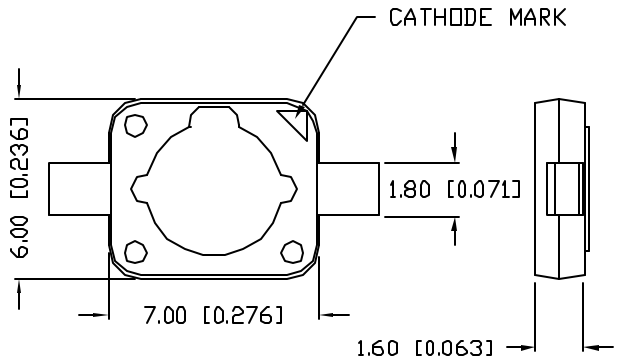
# THE DATASHEET OF

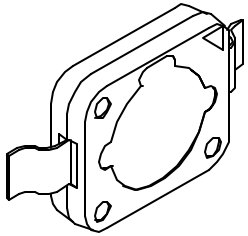
# SML-LX2723SIC-TR

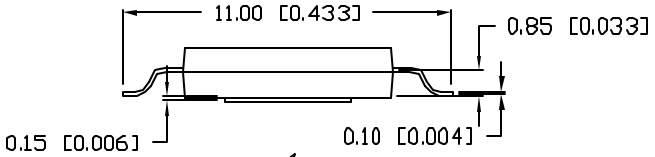
UNCONTROLLED DOCUMENT

| PART NUMBER | REV. |
|---|---|
| SML-LX2723SIC-TR | A |

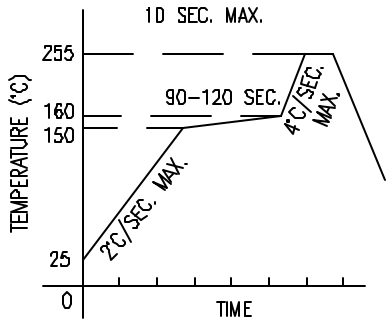
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | E.C.N. #11459. | 12.07.07 |






LEAD FREE REFLOW PROFILE




TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

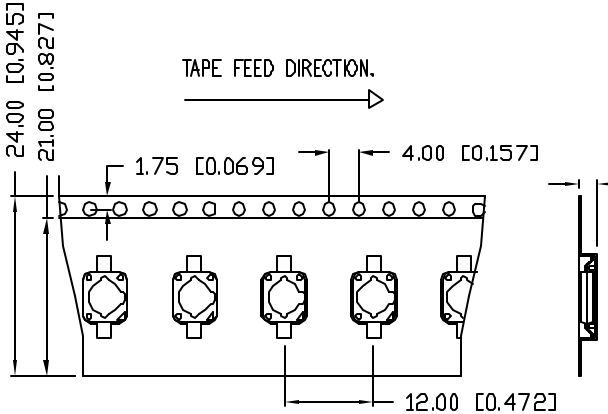
ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|---|
| PEAK WAVELENGTH | | | 630 | | nm | |
| FORWARD VOLTAGE | $V_f$ | | 2.0 | 2.9 | V | $I_f$=350mA |
| REVERSE VOLTAGE | $V_r$ | 5 | | | V | $I_r$=10µA |
| AXIAL INTENSITY | $I_V$ | 23 | | 39 | lm | $I_f$=350mA |
| VIEWING ANGLE | | | 120 | | 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 |

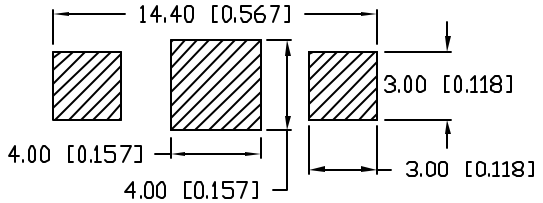
*T<10µS




A NOTE:

250 PECES PER REEL.

RECOMMENDED SOLDER PAD

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*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

| REV. | PART NUMBER |
|---|---|
| A | SML-LX2723SIC-TR |

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



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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View SML-LX2723SIC-TR on WIN SOURCE
- Lumex Opto/Components Inc. Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
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- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management