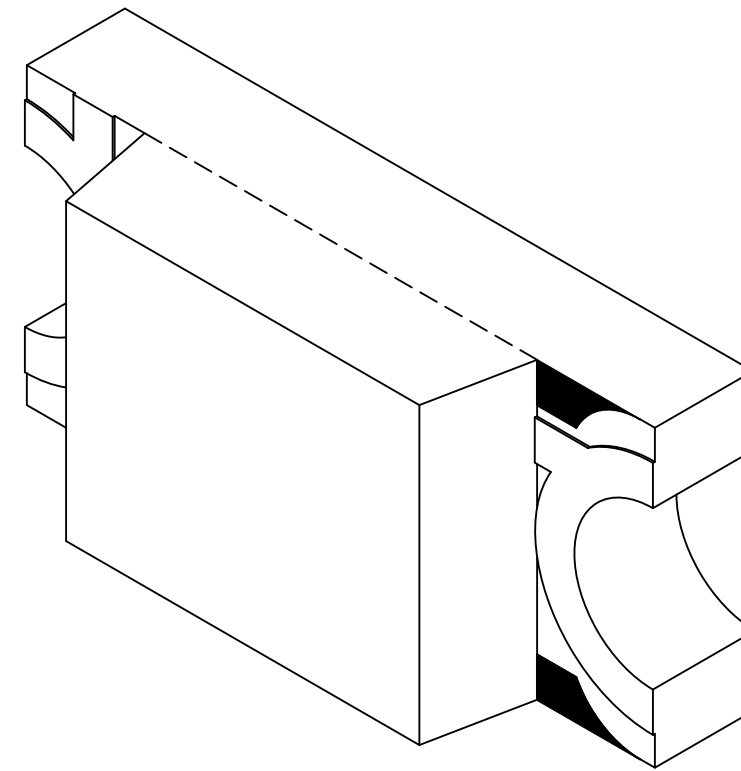
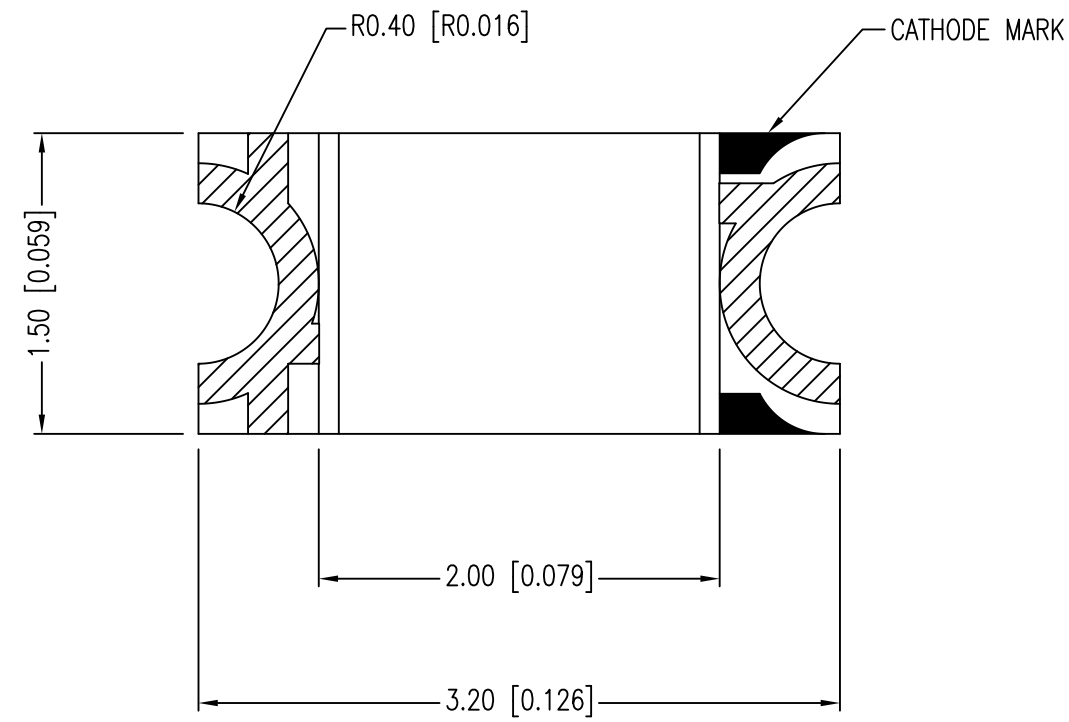


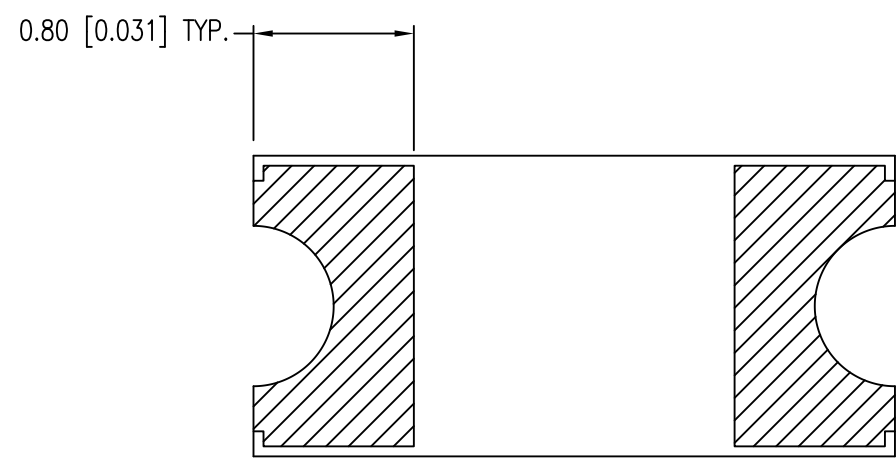
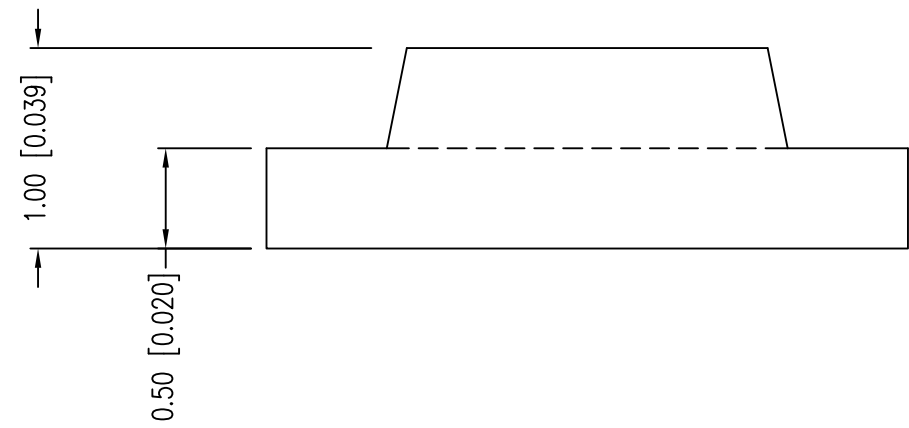
| | | | |
|-------------|-------------------------------------|------|---|
| PART NUMBER | SML-LX1206SIC-TR | REV. | I |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | REV. | |
| 12.03.01 | E.C.N. #10BRDR. & REDRAWN. | A | |
| 03.14.03 | E.C.N. #10967. | BC | |
| 03.09.09 | E.C.N. #11148. | D | |
| 01.07.08 | E.C.N. #11644. | E | |
| 07.19.10 | E.C.N. #11644. | F | |
| 04.20.11 | E.C.N. #10BRDR. & REDRAWN. | G | |
| 08.07.12 | E.C.N. #11829. | H | |
| 11.06.18 | ECN-Lumex201800168 | I | |



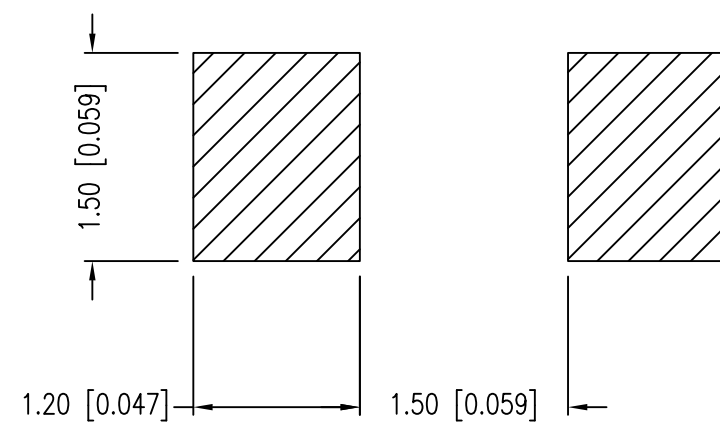
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|-------------|-----|-----|--------------|----------------------|
| PEAK WAVELENGTH | | 632 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.4 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 54 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 130 | | 2x theta 1/2 | |
| EMITTED COLOR: | RED | | | | |
| LENS FINISH: | WATER CLEAR | | | | |

ANODE CATHODE



RECOMMENDED SOLDER PAD LAYOUT



LIMITS OF SAFE OPERATION AT 25°C

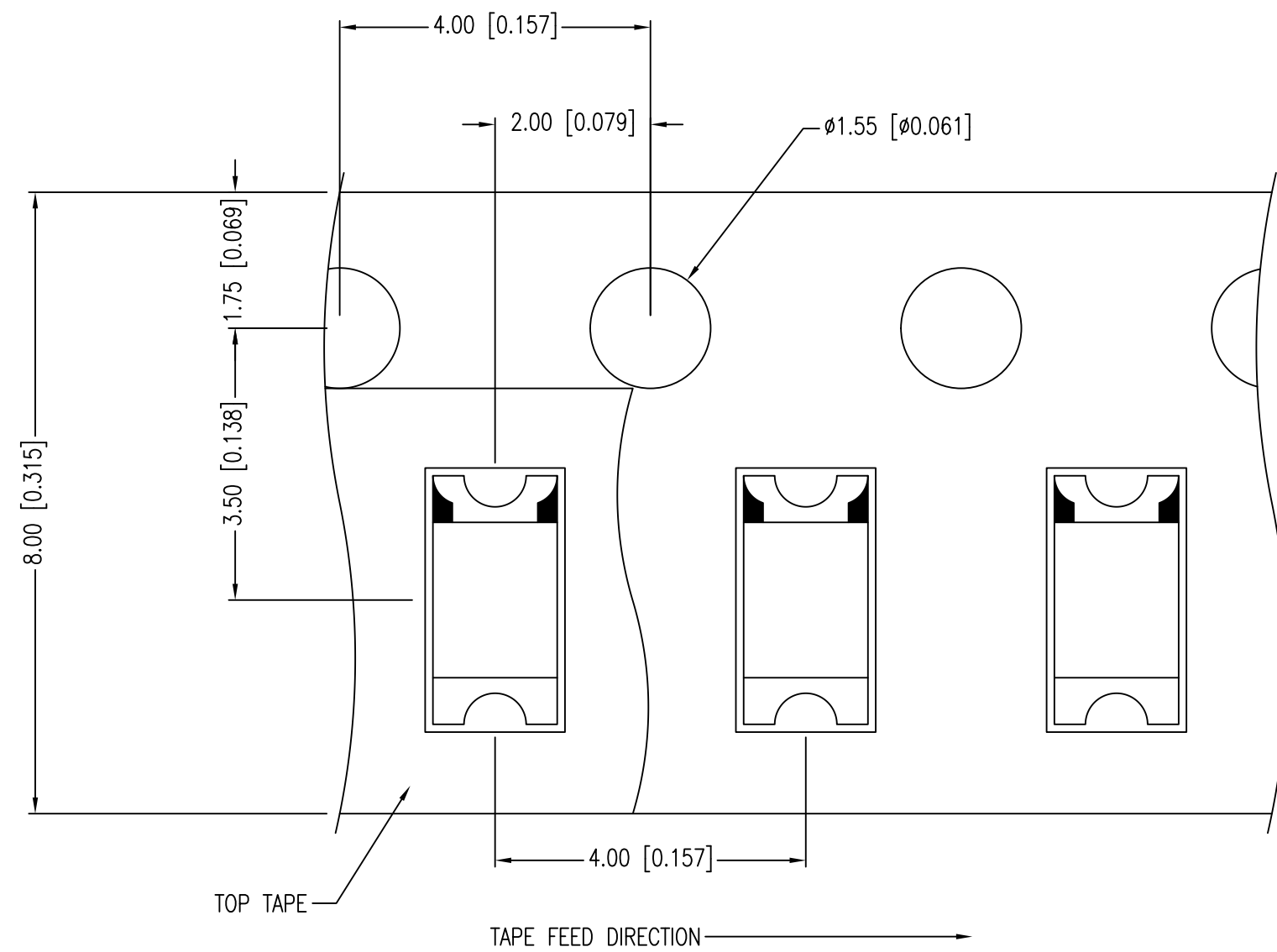
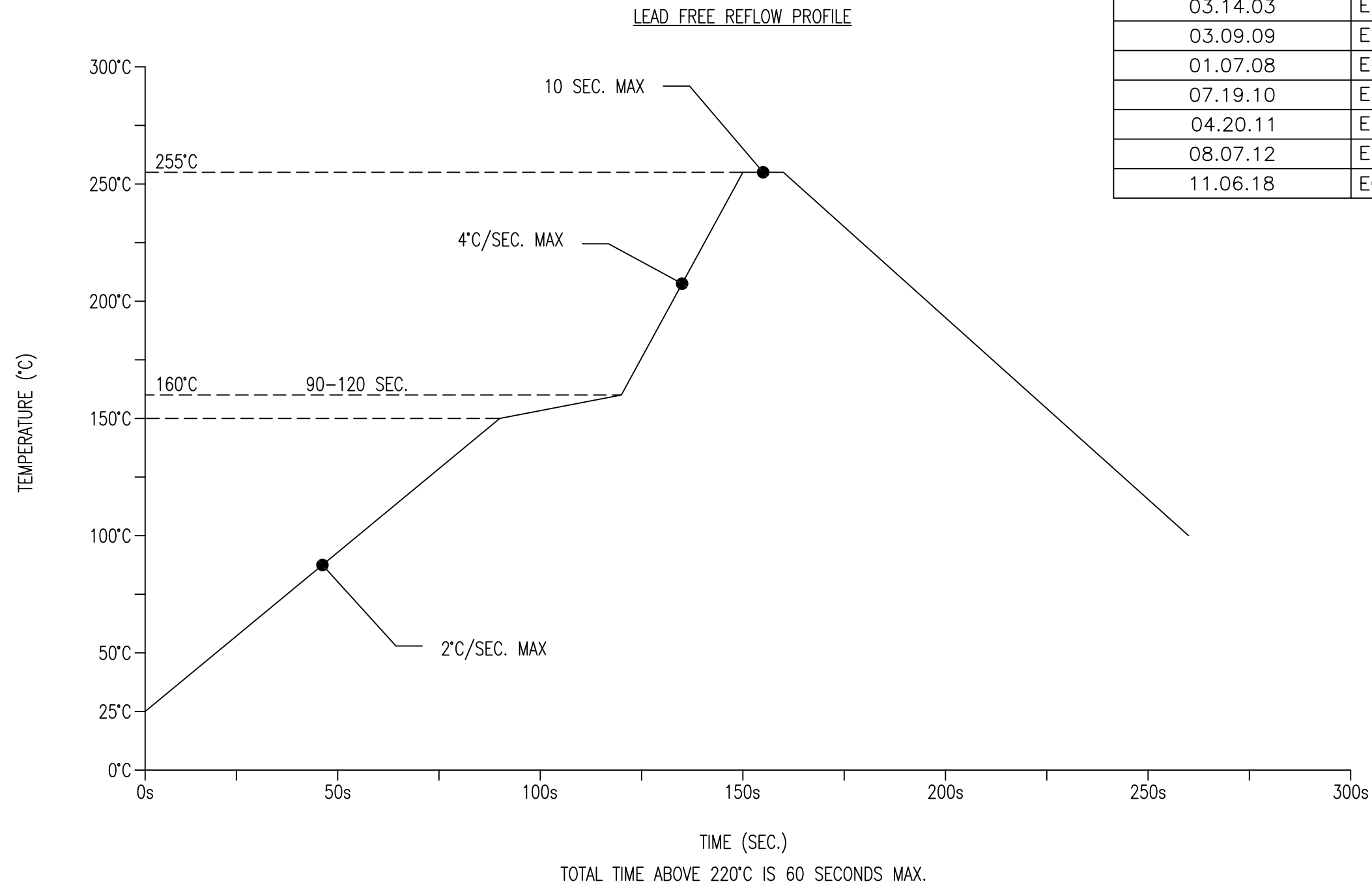
| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 60 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 60 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +90 | °C |

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

*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= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

| PART NUMBER | SML-LX1206SIC-TR | REV. | I |
|-------------|-------------------------------------|------|---|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | REV. | |
| 12.03.01 | E.C.N. #10BRDR. & REDRAWN. | A | |
| 03.14.03 | E.C.N. #10967. | BC | |
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| 07.19.10 | E.C.N. #11644. | F | |
| 04.20.11 | E.C.N. #10BRDR. & REDRAWN. | G | |
| 08.07.12 | E.C.N. #11829. | H | |
| 11.06.18 | ECN-Lumex201800168 | I | |



NOTES:
1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*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= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX.= $\frac{+0.00}{-DECIMAL PRECISION}$



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QUASARBRITE 3.2mm x 1.5mm PCB SURFACE MOUNT LED, 632nm RED, WATER CLEAR, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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| | |
|-----------------|----------------|
| DATE: 11.06.18 | DRAWN BY: C.S. |
| PAGE: 2 OF 2 | CHKD BY: E.C. |
| SCALE: NTS | APRVD BY: G.Y. |
| UNIT: mm [INCH] | |

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