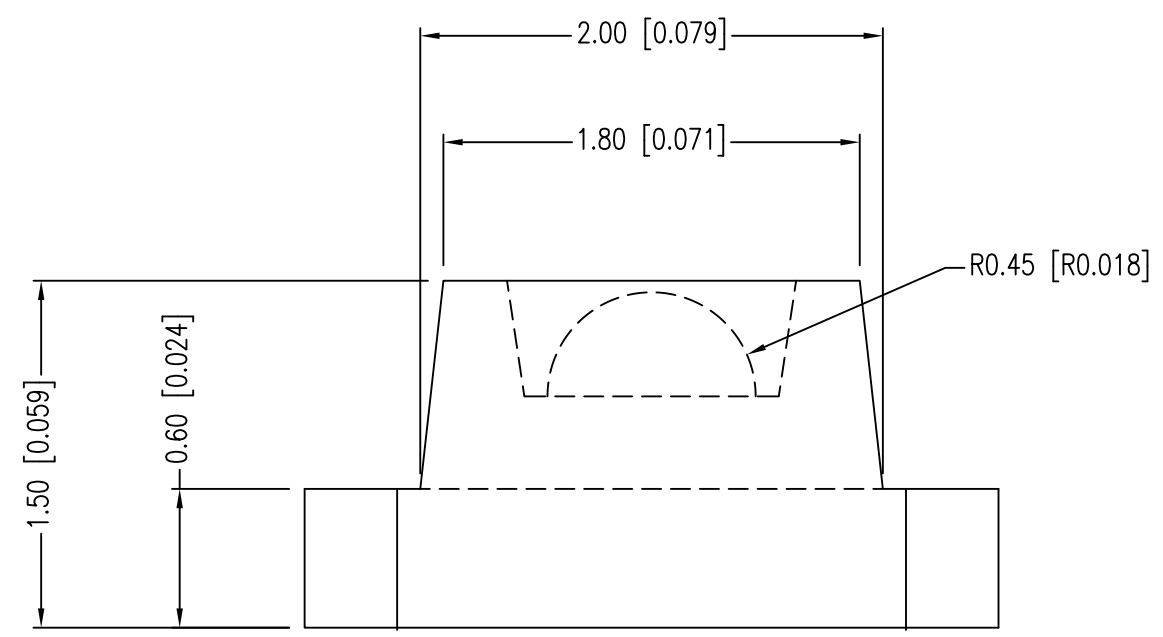
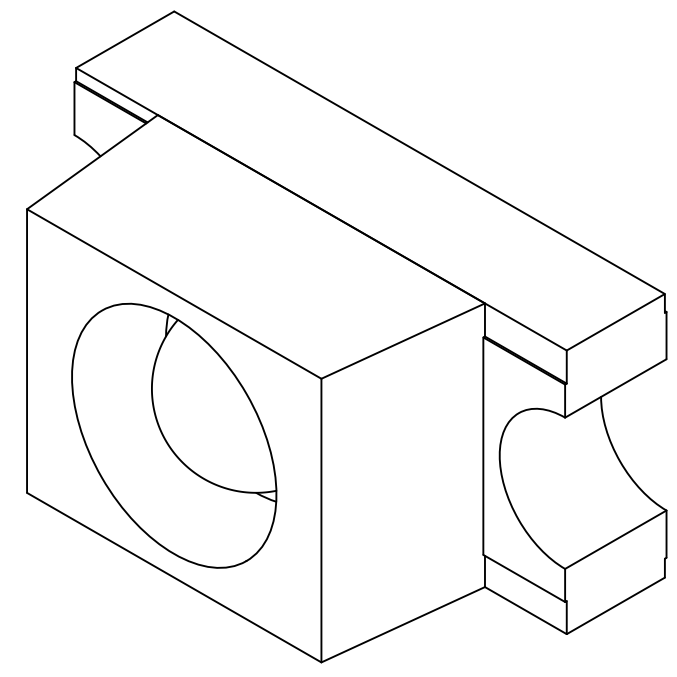
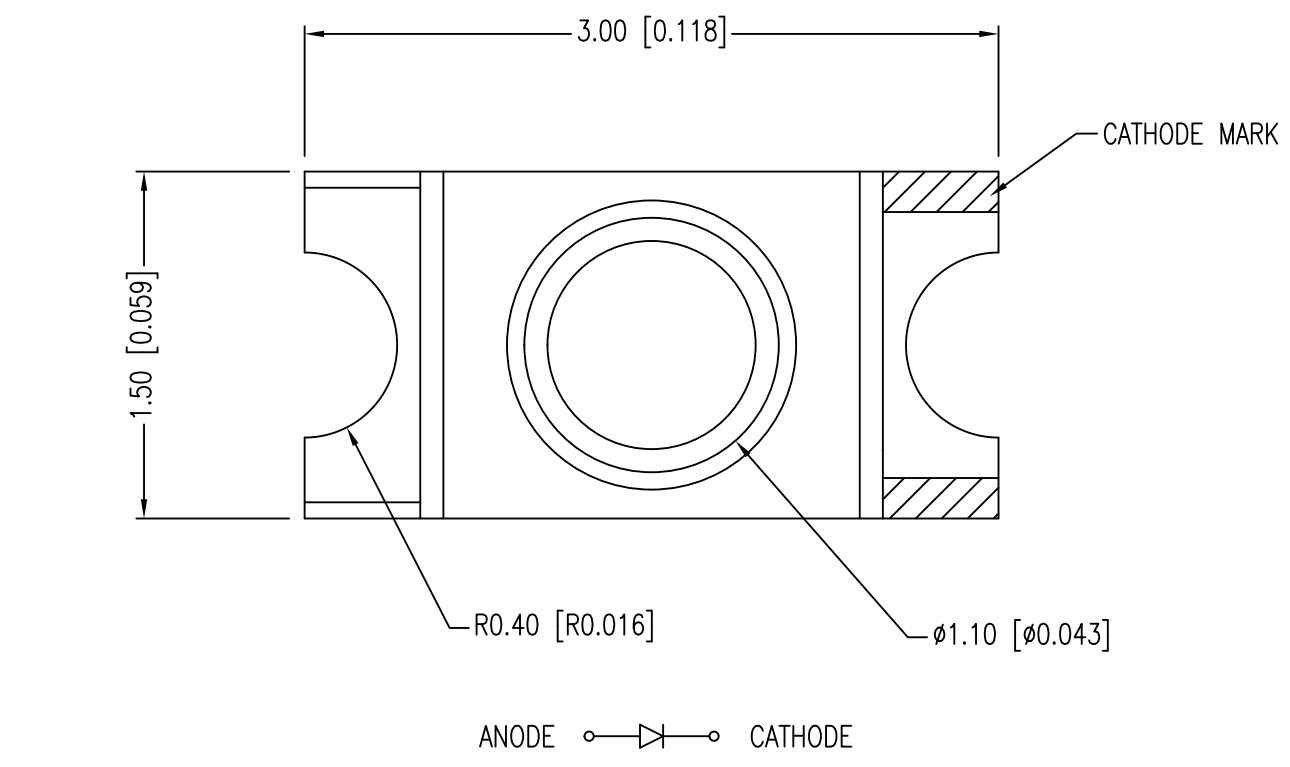


| | | | |
|-------------|-------------------------------------|------|---|
| PART NUMBER | SML-LXL1206SRC-TR | REV. | I |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | REV. | |
| 03.30.98 | E.C.N. #10BRDR. & REDRAWN. | A | |
| 01.08.01 | E.C.N. #10BRDR. & REDRAWN IN 3D. | B | |
| 05.31.01 | E.C.N. #10750. | C | |
| 09.08.01 | E.C.N. #10784. | D | |
| 03.14.03 | E.C.N. #10967. | E | |
| 03.17.05 | E.C.N. #11148. | F | |
| 05.26.10 | E.C.N. #11508. | G | |
| 10.12.10 | E.C.N. #11665. | H | |
| 12.11.18 | ECN-Lumex201800190 | I | |



[H] 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_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 90 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | WATER CLEAR LENS | | | | |

LIMITS OF SAFE OPERATION AT 25°C

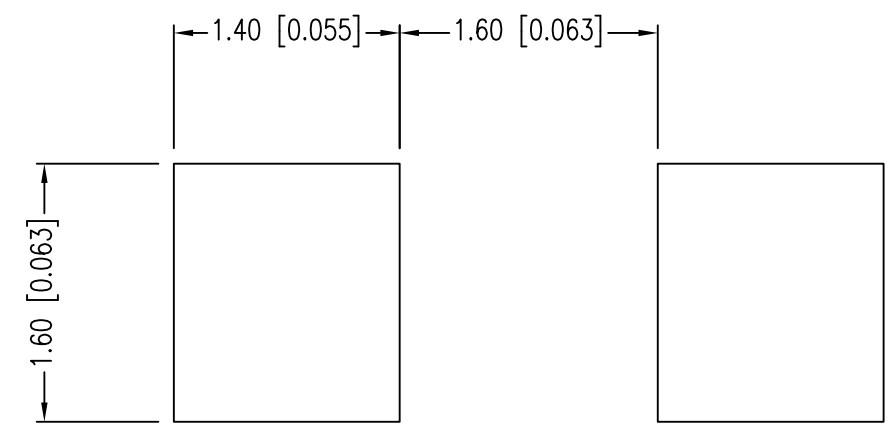
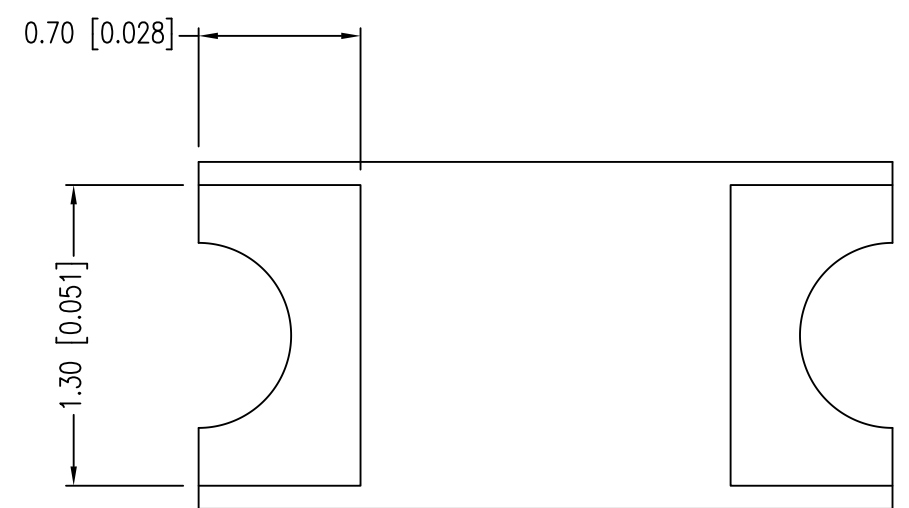
| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 160 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 60 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +90 | °C |

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

RECOMMENDED SOLDER PAD LAYOUT

[ICD] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

- NOTES:
1. THE CATHODE 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= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

425 N. GARY AVE.
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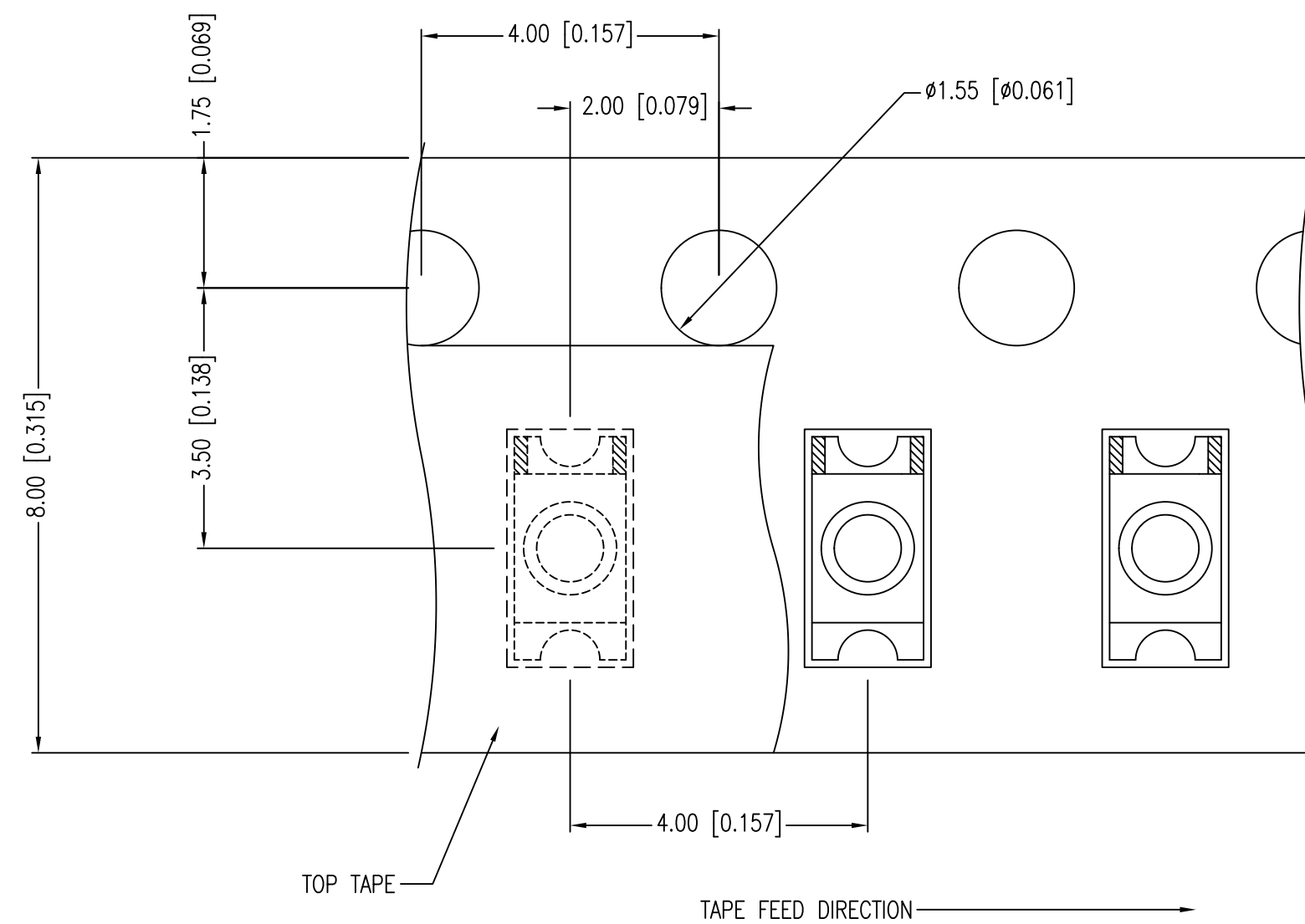
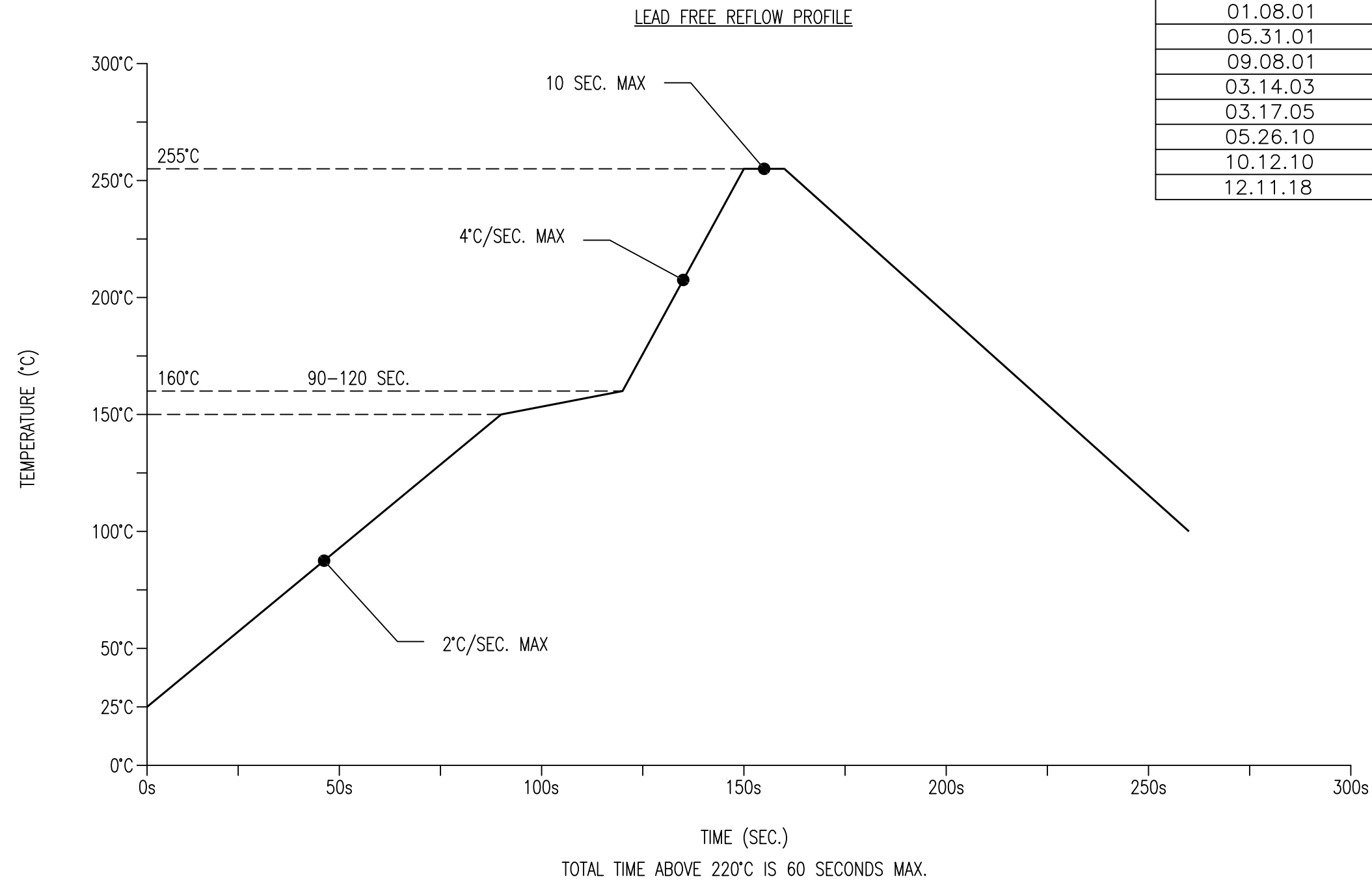
3.0mm x 1.5mm x 1.5mm PCB SURFACE MOUNT WITH LENS, 660nm RED LED, WATER CLEAR LENS, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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| | | | |
|--------|-----------|-----------|------|
| DATE: | 01.27.97 | DRAWN BY: | C.S. |
| PAGE: | 1 OF 2 | CHKD BY: | E.C. |
| SCALE: | NTS | APRVD BY: | G.Y. |
| UNIT: | mm [INCH] | | |

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3.0mm x 1.5mm x 1.5mm PCB SURFACE MOUNT WITH LENS, 660nm RED LED, WATER CLEAR LENS, TAPE & REEL.

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| SCALE: NTS | APRVD BY: G.Y. |
| UNIT: mm [INCH] | (Pb) |