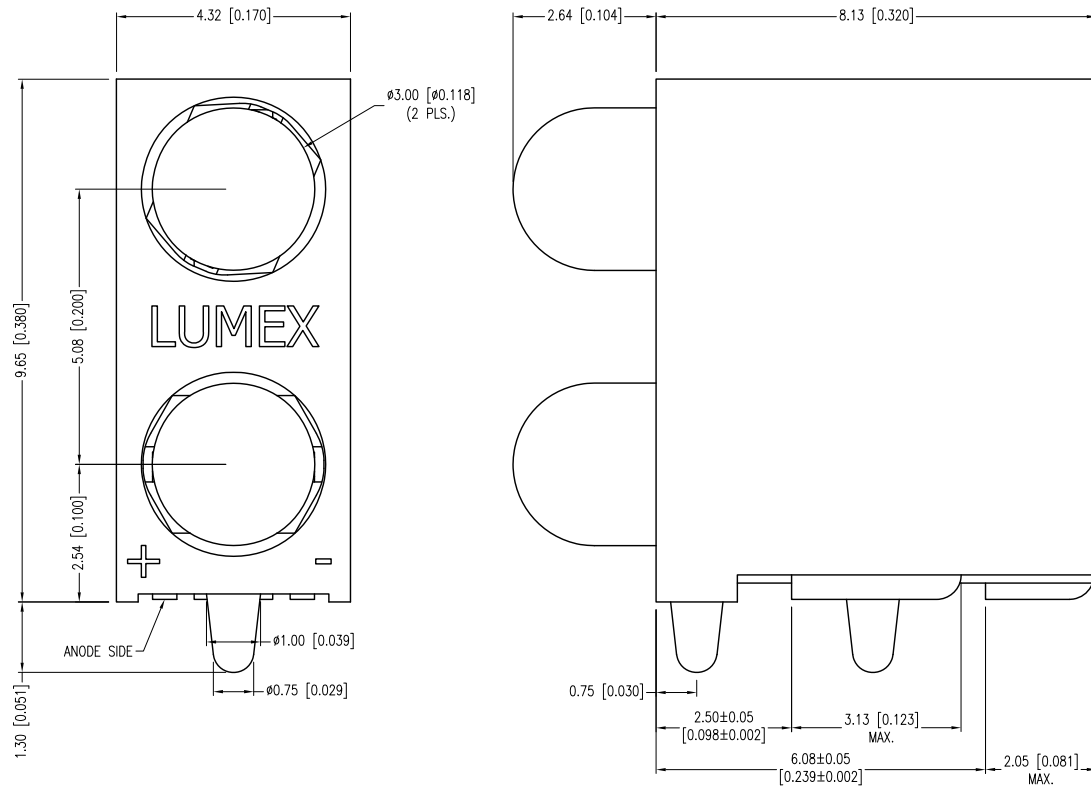


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|-------------|-------------------------------------|------|------|
| PART NUMBER | SMF-LX240IID-TR | REV. | C |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 07.12.13 | E.C.N. #11871. | | A |
| 10.03.13 | E.C.N. #11879. | | B |
| 06.05.14 | E.C.N. #11884. | | C |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|--------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH | | 635 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 30 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| LENS FINISH: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

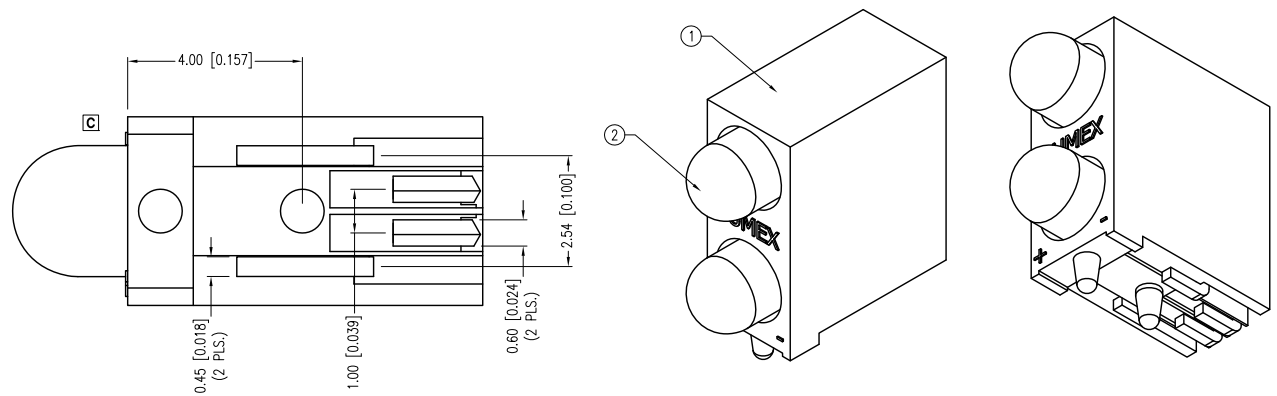
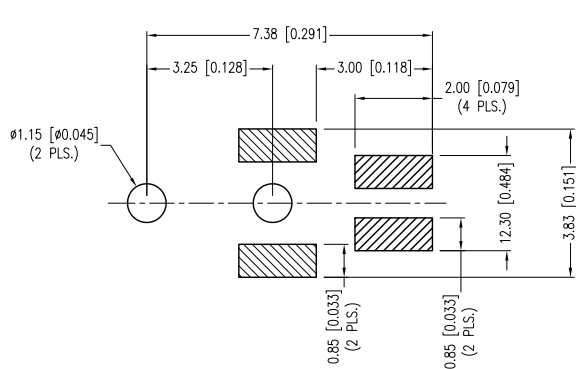
| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |

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

NOTES:

- SMH-LX240 HOLDER, BLACK.
- SSL-LX305F6YD, 2 PIECES.

[C] RECOMMENDED SOLDER PAD LAYOUT



*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 MAX.= +DECIMAL PRECISION -0.00



425 N. GARY AVE.
CAROL STREAM, IL 60188-4900
PHONE: +1.800.278.5666
FAX: +1.630.315.2152
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

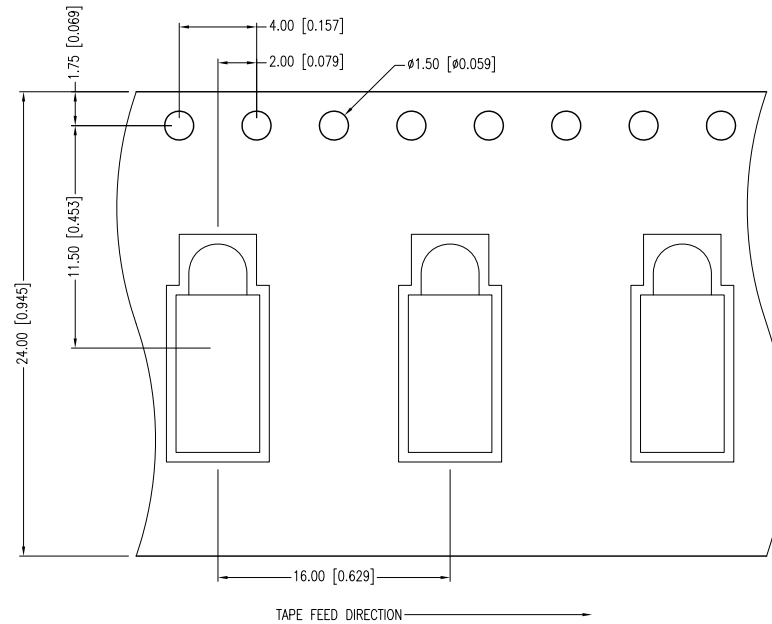
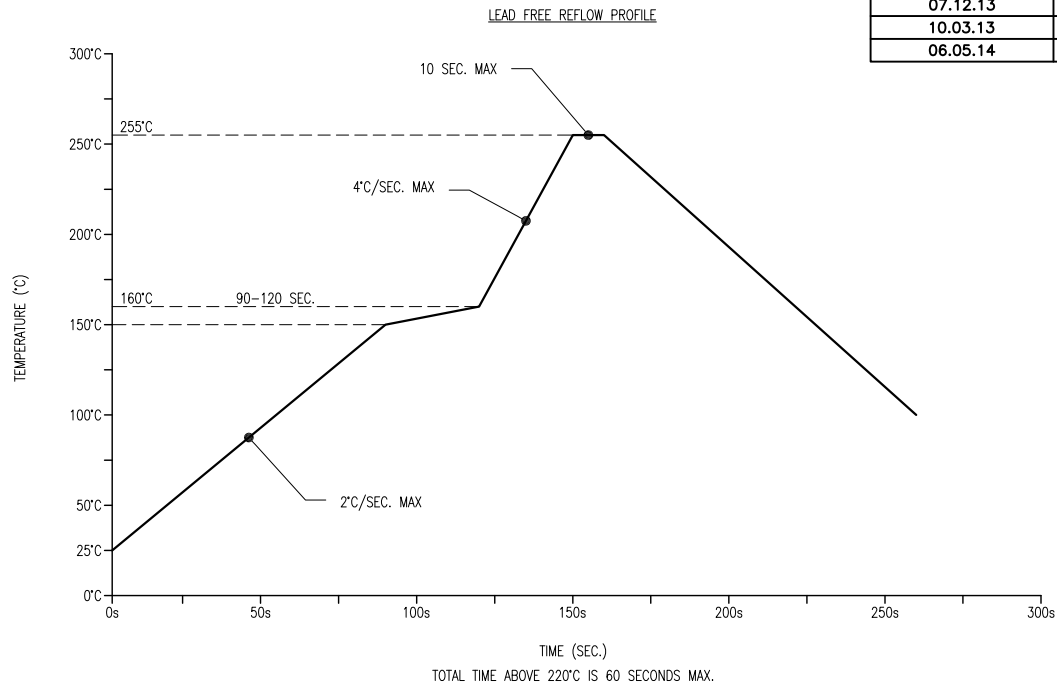
QUASARBRITE 2 HIGH SMT RIGHT ANGLE LED INDICATOR, 635nm RED, RED DIFFUSED.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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| PAGE: | 1 OF 2 | CHKD BY: | SS |
| SCALE: | NTS | APRVD BY: | SS |
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425 N. GARY AVE.
 CAROL STREAM, IL 60188-4900
 PHONE: +1.800.278.5666
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