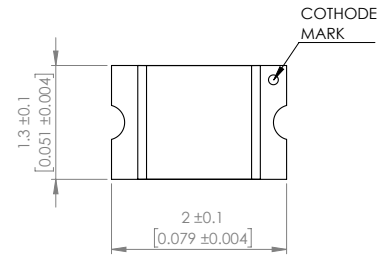
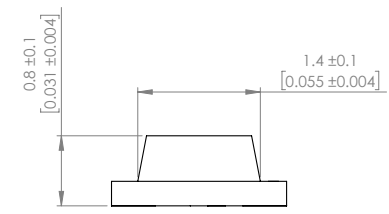
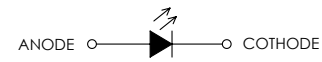


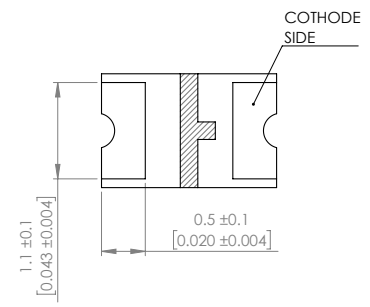
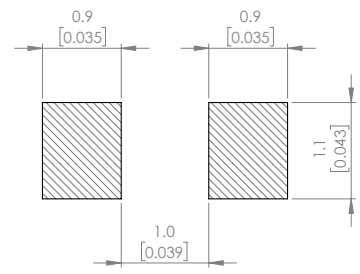
| PART NUMBER | | SML-LXT0805IW-TR | REV | G |
|-------------|--------------------|-----------------------|-----|----------|
| REV | E.C.N. NUMBER | AND REVISION COMMENTS | | DATE |
| A | E.C.N #10567. | | | 12.08.99 |
| B | E.C.N #10695. | | | 01.08.01 |
| C | E.C.N #10814. | | | 02.25.02 |
| D | E.C.N #10967. | | | 03.22.04 |
| E | E.C.N #11148. | | | 12.03.04 |
| F | E.C.N #11508. | | | 09.29.09 |
| G | ECN-Lumex201700020 | | | 06.02.17 |



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---------------------|----------------------|------|-----|-------------|-----------|
| PEAK WAVELENGTH | - | 640 | - | nm | If=20mA |
| DOMINANT WAVELENGTH | - | 628 | - | nm | If=20mA |
| FORWARD VOLTAGE | - | 2.1 | 2.6 | Vf | If=20mA |
| REVERSE VOLTAGE | - | - | 5 | Vr | Ir=10uA |
| LUMINOUS INTENSITY | - | 7.15 | - | mcd | If=20mA |
| VIEWING ANGLE | - | 130 | - | 2x theta1/2 | - |
| EMITTED COLOR | RED | | | | |
| EPOXY LENS FINISH | MILKY WHITE DIFFUSED | | | | |

ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER | MAX | UNITS |
|-----------------------|-------------|-------|
| PEAK FORWARD CURRENT* | 40 | mA |
| FORWARD CURRENT | 20 | mA |
| POWER DISSIPATION | 48 | mW |
| STORAGE TEMPERATURE | -40 TO +100 | °C |
| OPERATING TEMPERATURE | -40 TO +85 | °C |

*t<10us

CAUTION : MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a 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= ^{±0.00}/_{DECIMAL PRECISION} MAX= ^{±0.00}/_{DECIMAL PRECISION}

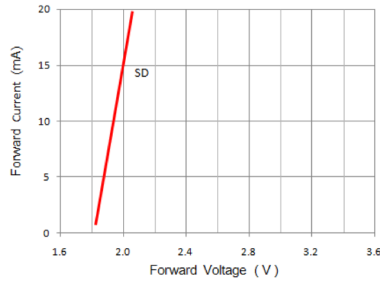


425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

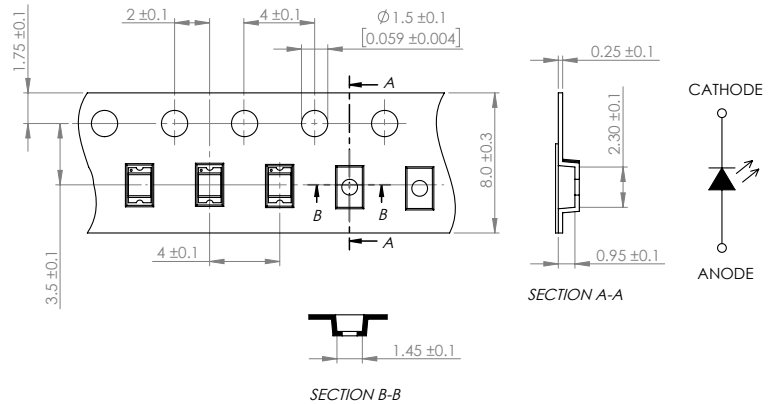
2(L)*1.3(W)*0.8(H)mm, SURFACE MOUNT TOP VIEW LED, GaAsP RED, MILKY WHITE DIFFUSED, TAPE & REEL
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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| | |
|-------------------|-----------------|
| DATE : 2017.06.02 | DRAWN BY : C.C. |
| PAGE : 1 OF 2 | CHKD BY : G.Y. |
| SCALE : NTF | APRVD BY : R.C. |
| UNIT : mm [INCH] | |

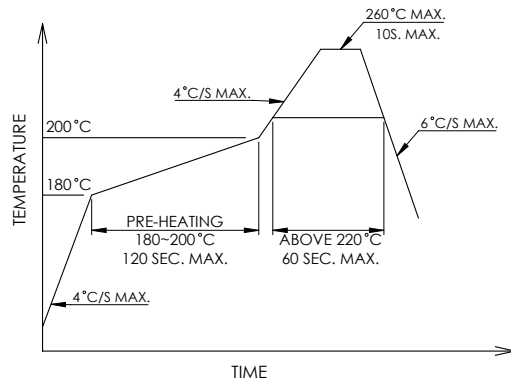
FORWARD VOLTAGE vs. FORWARD CURRENT



CARRIER TAPE DIMENSION



PROFILE



*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= ^{±0.00}/_{DECIMAL PRECISION} MAX= ^{±0.00}/_{DECIMAL PRECISION}



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