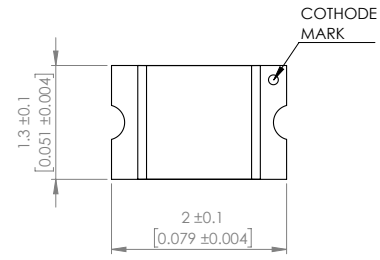
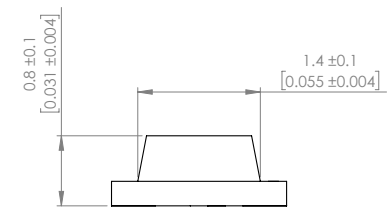
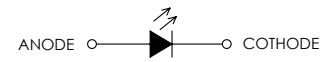


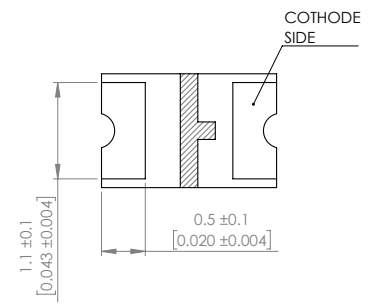
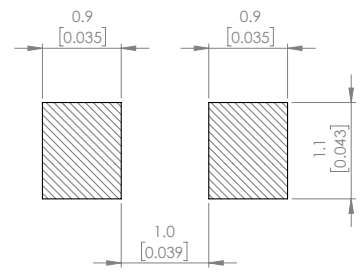
| PART NUMBER | | SML-LXT0805IW-TR | REV | G |
|-------------|--------------------|-----------------------|-----|----------|
| REV | E.C.N. NUMBER | AND REVISION COMMENTS | | DATE |
| A | E.C.N #10567. | | | 12.08.99 |
| B | E.C.N #10695. | | | 01.08.01 |
| C | E.C.N #10814. | | | 02.25.02 |
| D | E.C.N #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 |

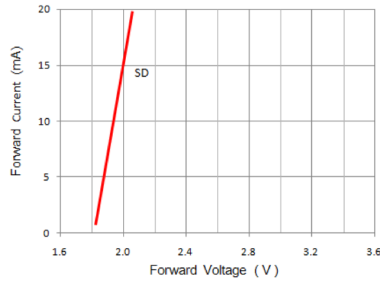
*t<10us

CAUTION : MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a STANDARDS

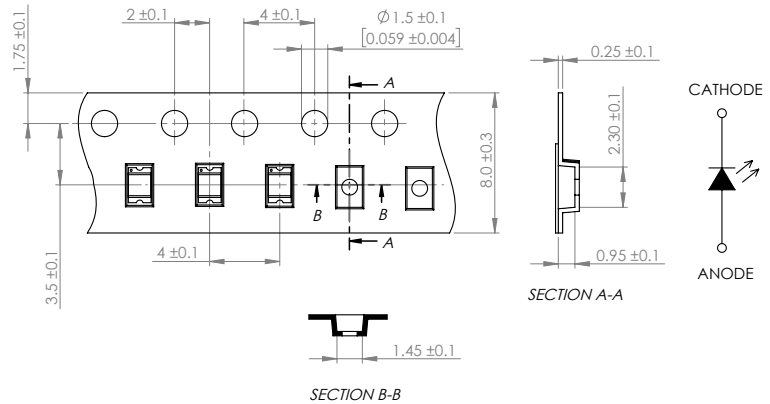
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= ^{±0.00}/_{DECIMAL PRECISION} MAX= ^{±0.00}/_{DECIMAL PRECISION}

| | | | |
|--|---|--|--------------------------------------|
| | 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 | DATE : 2017.06.02 DRAWN BY : C.C. |
| | | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.** | PAGE : 1 OF 2 CHKD BY : G.Y. |
| | | CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. | SCALE : NTF UNIT : mm [INCH] |
| | | | APRVD BY : R.C. |

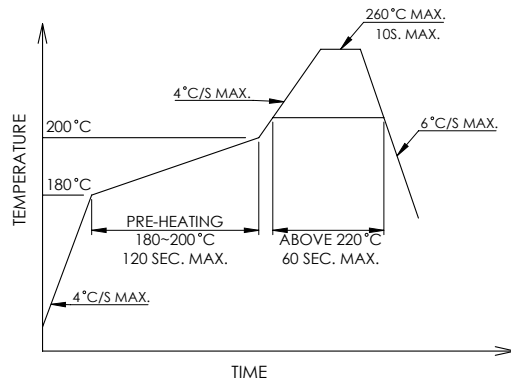
FORWARD VOLTAGE vs. FORWARD CURRENT



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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| DATE : 2017.06.02 | DRAWN BY : C.C. |
| PAGE : 2 OF 2 | CHKD BY : G.Y. |
| SCALE : NTF | APRVD BY : R.C. |
| UNIT : mm [INCH] | |