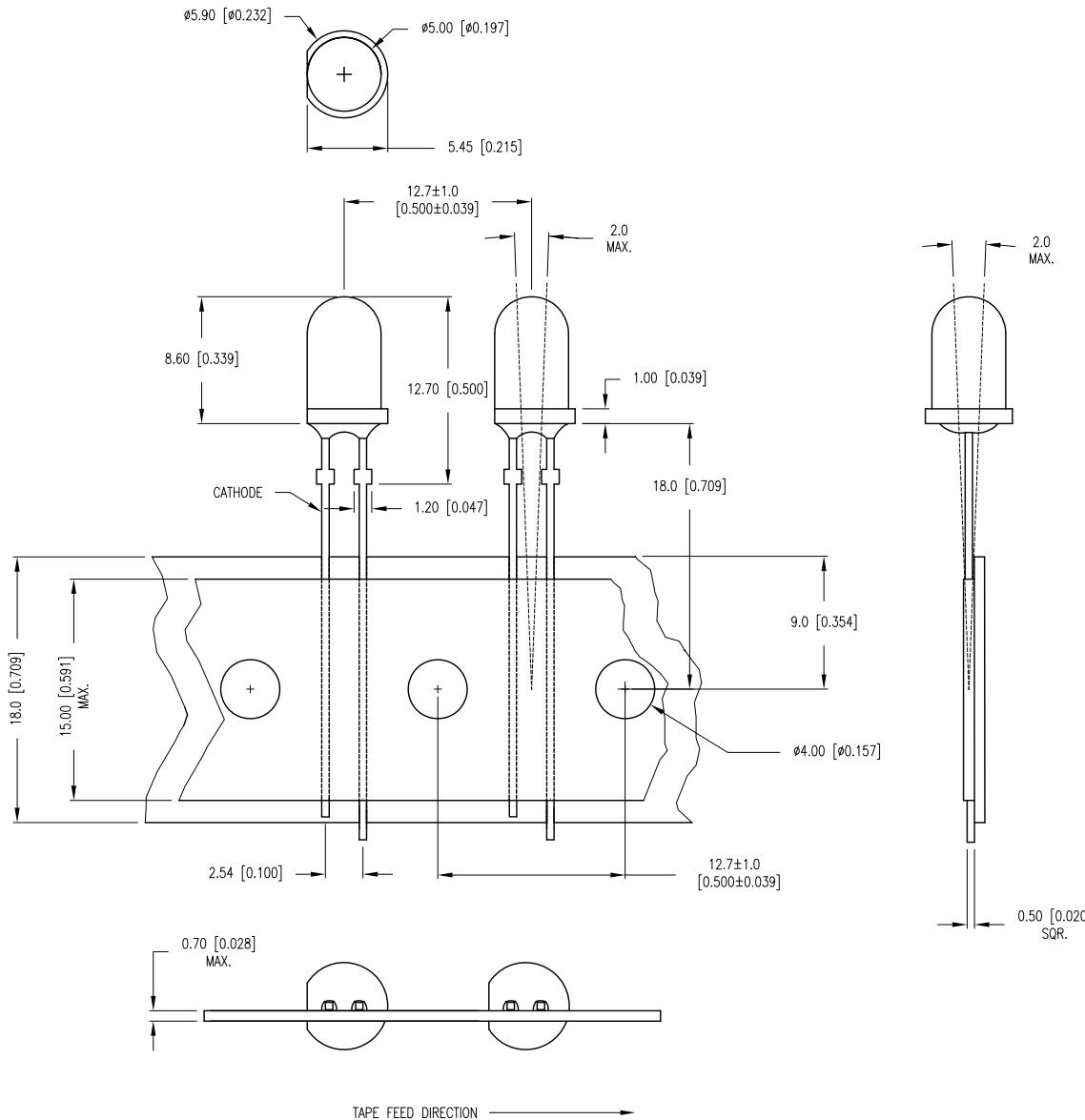


|             |                                     |      |   |
|-------------|-------------------------------------|------|---|
| PART NUMBER | SSL-LX5093GD-125TR                  | REV. | B |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS | REV. |   |
| 10.19.06    | E.C.N. #11148.                      | A    |   |
| 11.16.11    | E.C.N. #10BRDR. & REDRAWN.          | B    |   |



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $If=20\text{mA}$ |                |     |     |          |                     |
|---|----------------|-----|-----|----------|---------------------|
| PARAMETER   | MIN            | TYP | MAX | UNITS    | TEST COND           |
| PEAK WAVELENGTH   |                | 565 |     | nm       |                     |
| FORWARD VOLTAGE   |                | 2.2 | 2.6 | Vf       |                     |
| REVERSE VOLTAGE   | 5.0            |     |     | Vr       | $Ir=100\mu\text{A}$ |
| AXIAL INTENSITY   |                | 30  |     | mcd      | $If=20\text{mA}$    |
| VIEWING ANGLE   | 60             |     |     | 2x theta |                     |
| EMITTED COLOR:  | GREEN          |     |     |          |                     |
| LENS FINISH:  | GREEN DIFFUSED |     |     |          |                     |

| LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$ |            |                      |
|--|------------|----------------------|
| PARAMETER                                      | MAX        | UNITS                |
| PEAK FORWARD CURRENT*                          | 150        | mA                   |
| STEADY CURRENT                                 | 25         | mA                   |
| POWER DISSIPATION                              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$                 | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                                | -40 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                                  | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                                | 3          | SEC.                 |

\*  $t < 10\mu\text{s}$ \*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= $-\text{DECIMAL PRECISION}$  MAX= $+\text{DECIMAL PRECISION}$ 

UNCONTROLLED DOCUMENT



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QUASARBRITE T-5mm (T-1 3/4) 565nm GREEN LED, GREEN DIFFUSED LENS, TAPE AND REEL.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 11.16.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | NO |

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