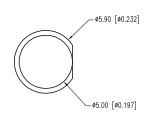
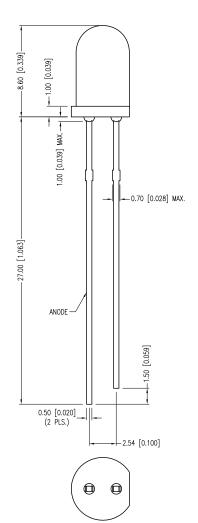
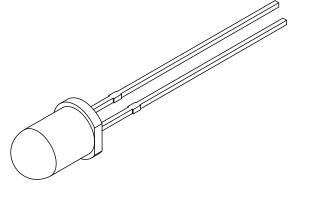
UNCONTROLLED DOCUMENT







| PART NUMBER | SSL-LX5093SOT                       | REV. | В    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.25.06    | E.C.N. #11148.                      |      | Α    |
| 09.20.12    | E.C.N. #10BRDR. & REDRAWN.          |      | В    |

EPOXY LENS FINISH: WATER CLEAR

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA PARAMETER TYP UNITS TEST COND PEAK WAVELENGTH 610 FORWARD VOLTAGE 2.0 2.5 Vf REVERSE VOLTAGE 5.0 Vr Ir=100µA AXIAL INTENSITY 2500 If=20mA mcd VIEWING ANGLE 30 2x theta EMITTED COLOR: ORANGE

| 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                 | -1.2       | mW/*C |
| OPERATING TEMP.                  | -40 TO +85 | *C    |
| STORAGE TEMP.                    | -40 TO +85 | *C    |
| SOLDERING TEMP.                  | +260       | *C    |
| 2.0mm FROM BODY                  | 3          | SEC.  |
| * 1 < 10 · C                     |            |       |

\*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=  $^{+0.00}_{-0.00}$  PRECISION MAX. =  $^{+0.$ 



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MEMBER OF 17TW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 610nm SUPER INTENSITY ORANGE LED, ORANGE TRANSPARENT LENS.

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

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