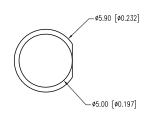
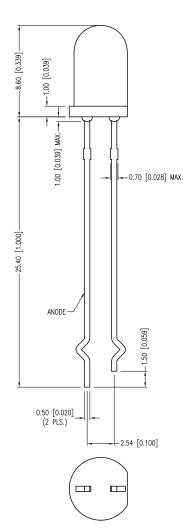
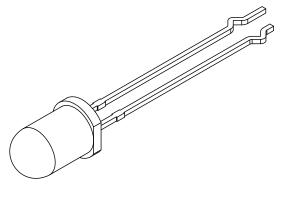
UNCONTROLLED DOCUMENT







| PART NUMBER | SSL-LX5093ID-42181 F | REV. | В |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 10.19.06 | E.C.N. #11148. | | Α |
| 02.13.12 | E.C.N. #10BRDR & REDRAWN. | | В |

ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA PARAMETER TYP UNITS TEST COND PEAK WAVELENGTH 635 FORWARD VOLTAGE 2.0 2.5 Vf REVERSE VOLTAGE 5.0 ۷r Ir=100µA AXIAL INTENSITY 40 If=20mA mcd VIEWING ANGLE 60 2x theta EMITTED COLOR: RED EPOXY LENS FINISH: RED DIFFUSED

| IMITS OF SAFE OPERATION AT 25°C | | |
|---------------------------------|------------|-------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| ERATE FROM 25°C | -1.2 | mW/*C |
| PERATING TEMP. | -40 TO +85 | .C |
| STORAGE TEMP. | -40 TO +85 | •C |
| SOLDERING TEMP. | +260 | .C |
| 2.0mm FROM BODY | 3 | SEC. |
| t<10uS | | |

*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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX. UNCONTROLLED DOCUMENT



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 T-5mm (T-1 3/4) 635nm RED LED, RED DIFFUSED LENS, CUSTOM LEAD FRAME.

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

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DATE: 02.13.12 DRAWN BY: AΒ PAGE: 1 OF 1 CHKD BY: KF SCALE: NTS APRVD BY: SS UNIT: mm [INCH] (Pb)