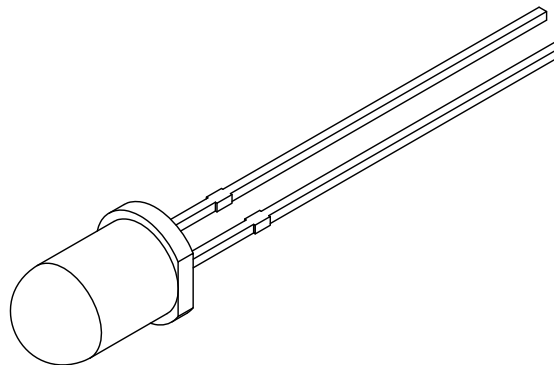
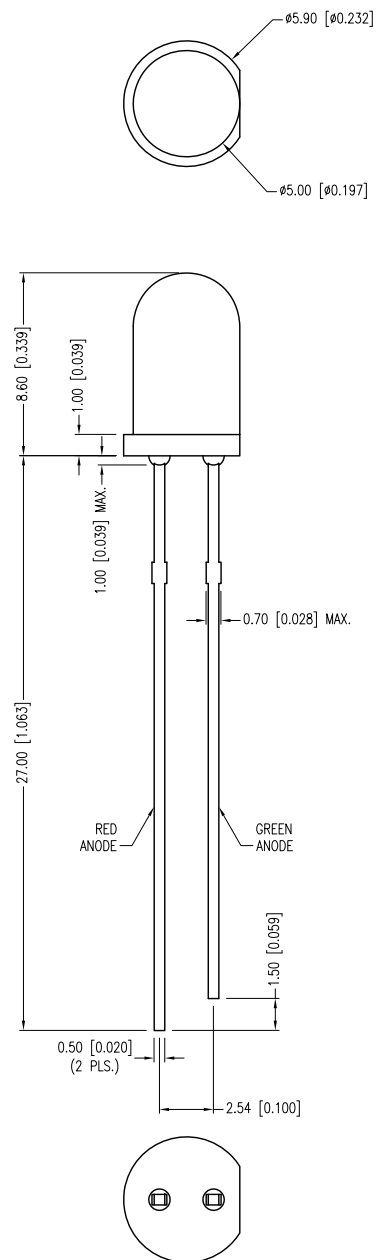


| PART NUMBER | SSL-LX5093SRSGW | REV. | D |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 11.16.92 | CHG'D POWER DISSIPATION. | | A |
| 10.11.94 | UPDATED SPECS. | | B |
| 10.25.06 | E.C.N. #11148. | | C |
| 09.27.12 | E.C.N. #10BRDR. & REDRAWN. | | D |



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$ | | | | | |
|--|----------------------|---------|---------|----------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH (R/G) | | 660/565 | | nm | |
| FORWARD VOLTAGE (R/G) | | 1.7/2.2 | 2.2/2.6 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) | | 140/25 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT (R/G) | 30/25 | mA |
| POWER DISSIPATION (R/G) | 100/105 | mW |
| DERATE FROM 25°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: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

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