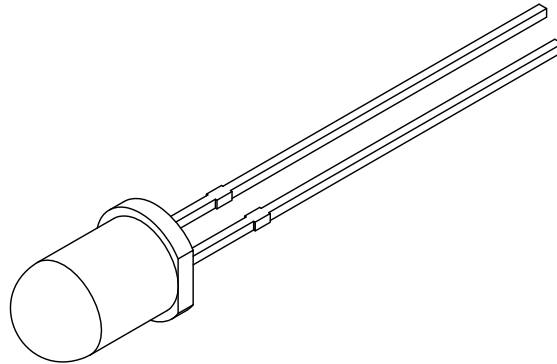
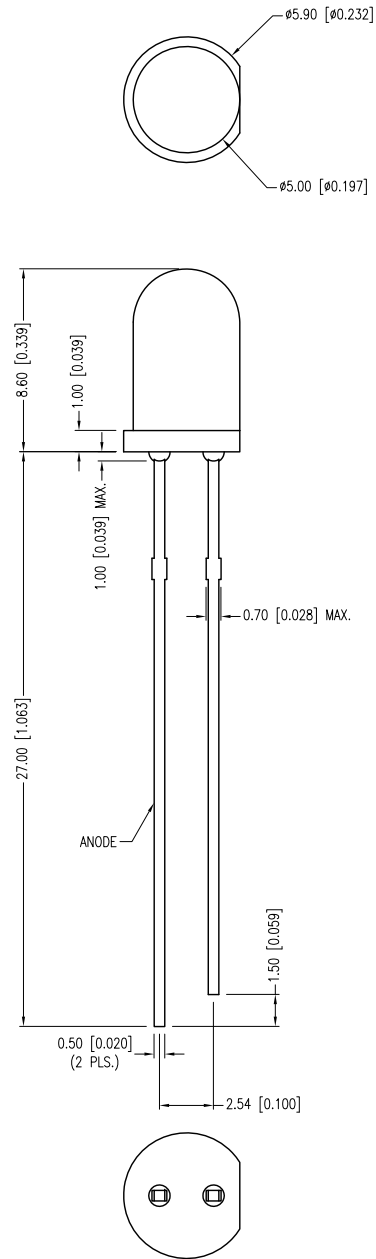


| PART NUMBER | SSL-LX5093HD-12V | REV. | B |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 10.19.06 | E.C.N. #11148. | | A |
| 02.08.12 | E.C.N. #10BRDR. & REDRAWN. | | B |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=12V | | | | | |
|--|--------------|------|------|----------|-----------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 700 | | nm | |
| FORWARD VOLTAGE | | 12.0 | 14.0 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | If=100µA |
| AXIAL INTENSITY | | 3 | | mcd | If=12V |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|----------------------------------|------------|-------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD VOLTAGE | 14 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | 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. |

*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 PRECISION} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSL-LX5093HD-12V](#)