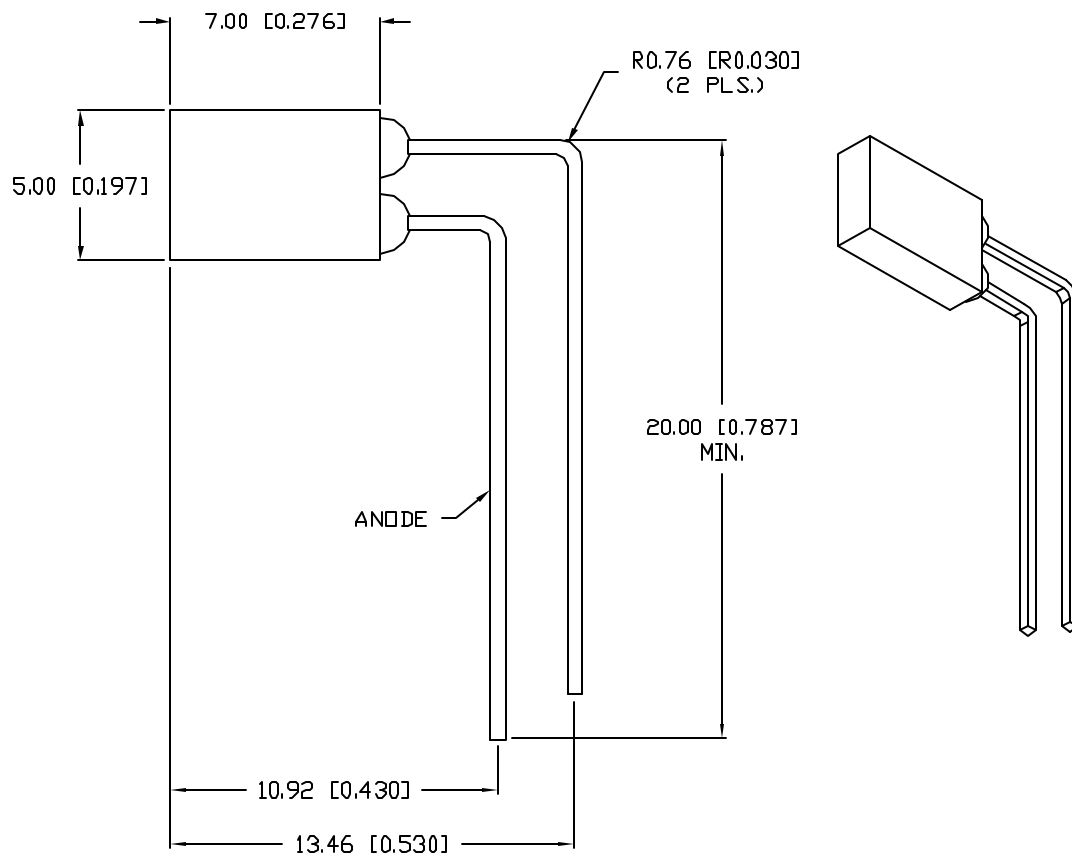
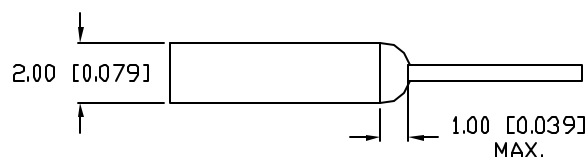


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX2573GD-24386REV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | REDRAWN, UPDATED SPECS.             | 9.16.95 |
| B    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 6.15.01 |

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN            | TYP | MAX | UNITS          | TEST COND            |
|--------------------|----------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH    |                | 565 |     | nm             |                      |
| FORWARD VOLTAGE    |                | 2.2 | 2.6 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE    | 5.0            |     |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                | 10  |     | mod            | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                | 110 |     | 2x theta       |                      |
| EMITTED COLOR:     | GREEN          |     |     |                |                      |
| EPOXY 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, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |            | 3 SEC. MAX           |

\*  $t < 10\mu\text{s}$ 

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.

B

PART NUMBER

SSL-LX2573GD-24386

2mm x 5mm RECTANGULAR, 565nm GREEN LED,  
GREEN DIFFUSED LENS, BENT LEADS.

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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