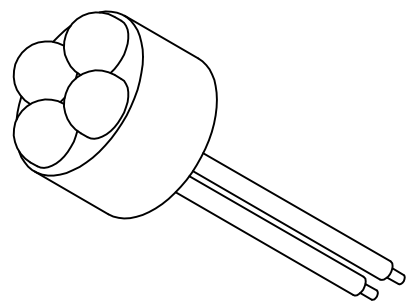
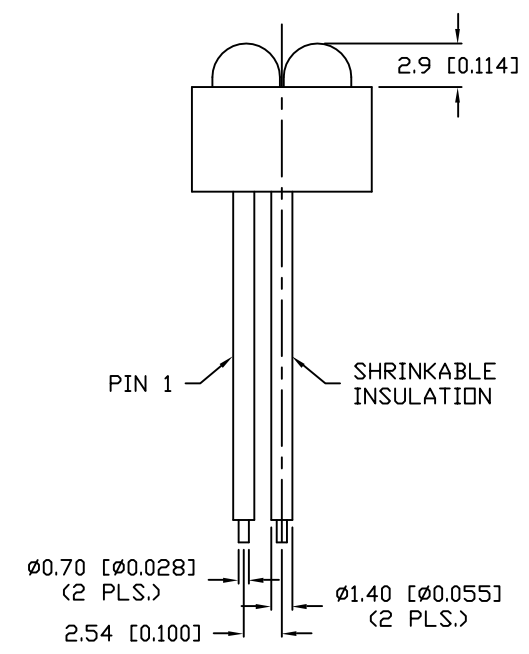
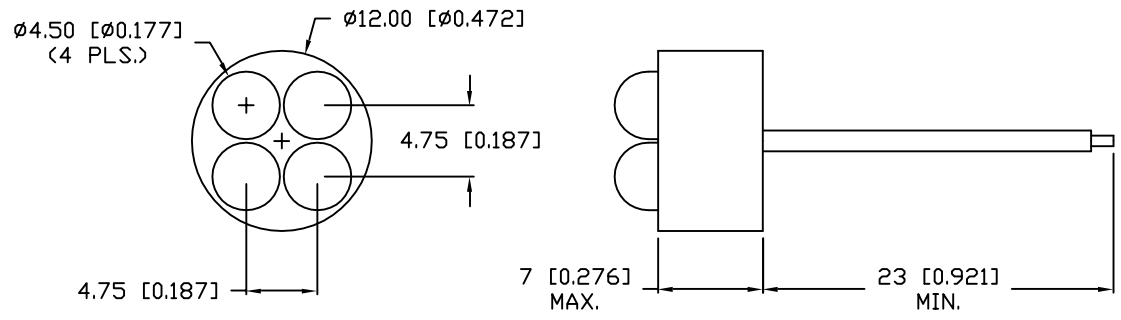




**THE DATASHEET OF  
SSP-LXC0476U4**



| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10691.                      | 12.12.00 |
| B    | E.C.N. #1BRDR.                      | 10.3.03  |



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=40\text{mA}$

| PARAMETER          | MIN         | TYP  | MAX | UNITS    | TEST COND            |
|--------------------|-------------|------|-----|----------|----------------------|
| PEAK WAVELENGTH    |             | 626  |     | nm       |                      |
| FORWARD VOLTAGE    |             | 3.6  | 4.6 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0         |      |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY *  |             | 3000 |     | mcd      | $I_f=40\text{mA}$    |
| VIEWING ANGLE      |             | 30   |     | 2x theta |                      |
| EMITTED COLOR:     | RED         |      |     |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |      |     |          |                      |

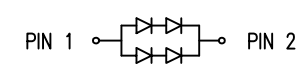
\* INTENSITY PER DIE.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 100        | mW         |
| DERATE FROM 25°C         | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. | -30 TO +70 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

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

PIN OUT



\*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

|  |                              |
|--|------------------------------|
| REV.<br>B  | PART NUMBER<br>SSP-LXC0476U4 |
| 0.47" CIRCULAR, 4 LED POLY-LED,<br>626nm ULTRA RED LEDS, WATER CLEAR LENS. |                              |

**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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|              |          |           |                               |
|--------------|----------|-----------|-------------------------------|
| DRAWN:<br>GB | CHECKED: | APPROVED: | DATE: 10.3.03<br>PAGE: 1 OF 1 |
|--------------|----------|-----------|-------------------------------|

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SSP-LXC0476U4 on WIN SOURCE](#)
-  [Lumex Opto/Components Inc. Information](#)

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