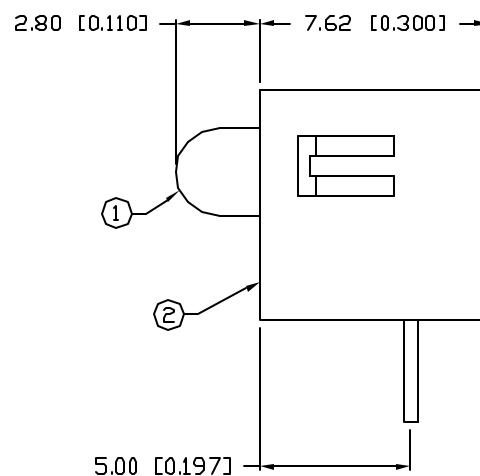
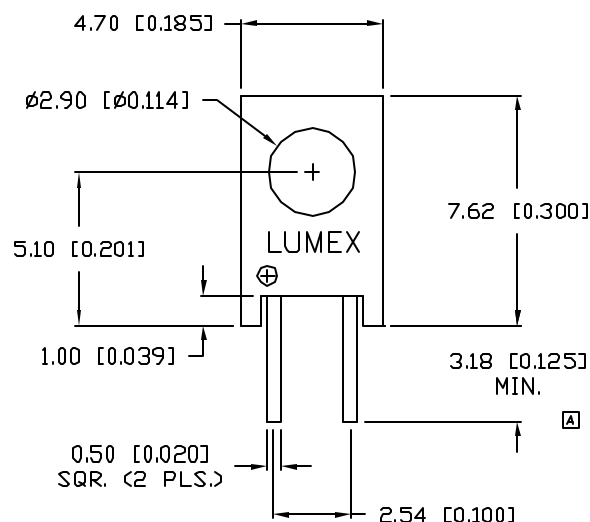


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PART NUMBER  
SSF-LXH304LYD

REV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | UPDATED SPECS, CHANGED LEAD LENGTH. | 10-10-95 |
| B    | E.C.N. #10BRDR. & REDRAWN.          | 5-7-99   |



| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ |                 |              |     |          |                      |
|----------------------------------------------------------------------------|-----------------|--------------|-----|----------|----------------------|
| PARAMETER                                                                  | MIN             | TYP          | MAX | UNITS    | TEST COND            |
| PEAK WAVELENGTH                                                            |                 | 585 (YELLOW) |     | nm       |                      |
| FORWARD VOLTAGE                                                            |                 | 2.1          | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE                                                            | 5.0             |              |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                                            |                 | 30           |     | mcd      | $I_f=20\text{mA}$    |
|                                                                            | 1.0             |              |     | mcd      | $I_f=2\text{mA}$     |
| VIEWING ANGLE                                                              |                 | 60           |     | 2x theta |                      |
| EMITTED COLOR:                                                             | YELLOW          |              |     |          |                      |
| EPoxy LENS FINISH:                                                         | YELLOW DIFFUSED |              |     |          |                      |

NOTES:

1. SSL-LX3044LYD LED, LOW CURRENT YELLOW.
2. SSH-LXH304 HOLDER, BLACK.

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

| PARAMETER                        | MAX          | UNITS                  |
|----------------------------------|--------------|------------------------|
| PEAK FORWARD CURRENT*            | 150          | mA                     |
| STEADY CURRENT                   | 30           | mA                     |
| POWER DISSIPATION                | 105          | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | - 1.6        | 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             |

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

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010"$ )

REV.  
B

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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.

**LUMEX**  
INCORPORATED

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|           |             |              |                |
|-----------|-------------|--------------|----------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 12-15-93 |
| jd/ck/du  |             |              | PAGE: 1 OF 1   |
|           |             |              | SCALE: N/A     |

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR,  
585nm YELLOW LED, YELLOW DIFFUSED LENS,  
LOW CURRENT SELECTION.