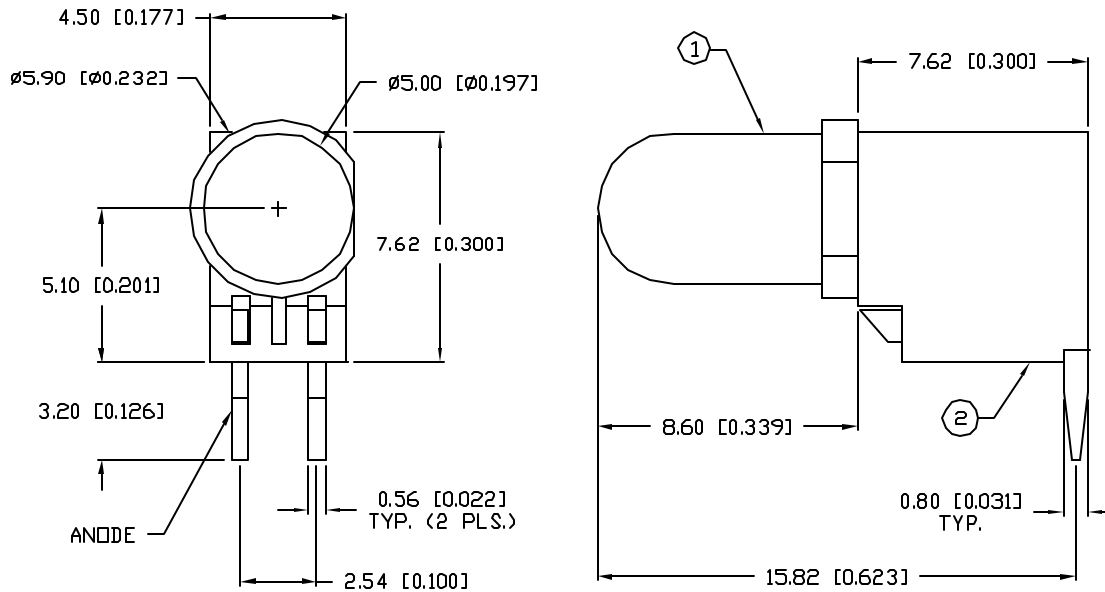


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|                |                                     |      |
|----------------|-------------------------------------|------|
| PART NUMBER    |                                     | REV. |
| SSF-LXH4RA5LYD |                                     |      |
| REV.           | E.C.N. NUMBER AND REVISION COMMENTS | DATE |



NOTES:

1. SSL-LX5093LYD, YELLOW LED.
2. IFS-LX4FRA-1 LAMP SOCKET.
3. CUT LED LEADS 5mm LONG.
4. ASSEMBLE IN SOCKET. POLARITY AS SHOWN.

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             |              |     | $V_r$      | $I_r=100\mu\text{A}$ |
| 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 |              |     |            |                      |

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 $25^\circ\text{C}$ | -1.2       | 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           |

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

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

|  |                |
|--|----------------|
| REV.   | PART NUMBER    |
|  | SSF-LXH4RA5LYD |
| T-5mm (T-1 3/4) LAMP, FAULT INDICATOR,<br>LOW CURRENT, 585nm YELLOW LED, YELLOW DIFFUSED LENS. |                |

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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 BY:                 | CHECKED BY: | APPROVED BY:   | DATE: 9-9-99 |
| KS/DU                     |             |  | PAGE: 1 OF 1 |
|                           |             |  | SCALE: N/A   |