

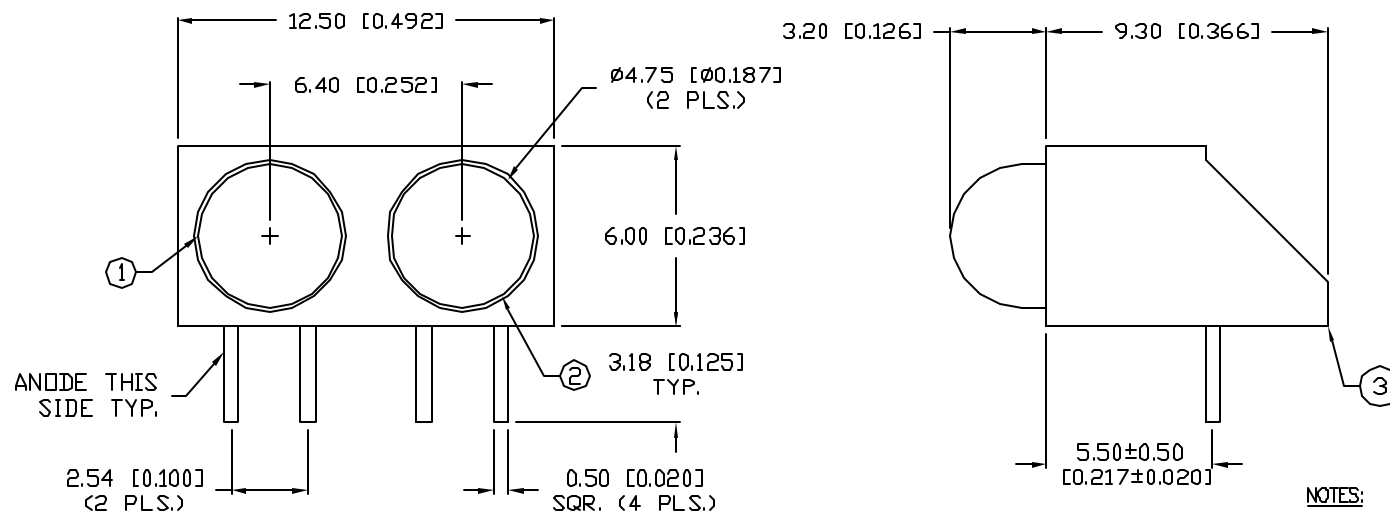
UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH2100IGD

REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE



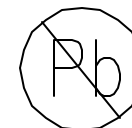
NOTES:

1. SSL-LX507F3ID, RED LED.
2. SSL-LX507F3GD, GREEN LED.
3. SSH-LXH2100, BLACK HOLDER.

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$ |                                |             |         |                |                      |
|--------------------------------------------------------------------------|--------------------------------|-------------|---------|----------------|----------------------|
| PARAMETER                                                                | MIN                            | TYP         | MAX     | UNITS          | TEST COND            |
| PEAK WAVELENGTH                                                          |                                | 635 (RED)   |         | nm             |                      |
|                                                                          |                                | 565 (GREEN) |         | nm             |                      |
| FORWARD VOLTAGE (R/G)                                                    |                                | 2.0/2.2     | 2.5/2.6 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE                                                          | 5.0                            |             |         | V <sub>r</sub> | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G)                                                    |                                | 40/30       |         | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                                            |                                | 60          |         | 2x theta       |                      |
| EMITTED COLOR:                                                           | RED/GREEN                      |             |         |                |                      |
| EPOXY LENS FINISH:                                                       | DIFFUSED SAME AS EMITTED COLOR |             |         |                |                      |

| LIMITS OF SAFE OPERATION AT 25°C |        |            |            |
|----------------------------------|--------|------------|------------|
| PARAMETER                        | COLORS | MAX        | UNITS      |
| PEAK FORWARD CURRENT*            |        | 150        | mA         |
| STEADY CURRENT                   | (R/G)  | 30/25      | mA         |
| POWER DISSIPATION                |        | 105        | mW         |
| DERATE FROM 25°C                 |        | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP.         |        | -40 TO +85 | °C         |
| SOLDERING TEMP.                  |        | +260       | °C         |
| 2.0mm FROM BODY                  |        |            | 3 SEC. MAX |

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



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

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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: 3.8.06 |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |

T-5mm (T-1 3/4) DUAL LED HOLDER,  
565nm GREEN LED, 635nm RED LED,  
DIFFUSED SAME AS COLOR.