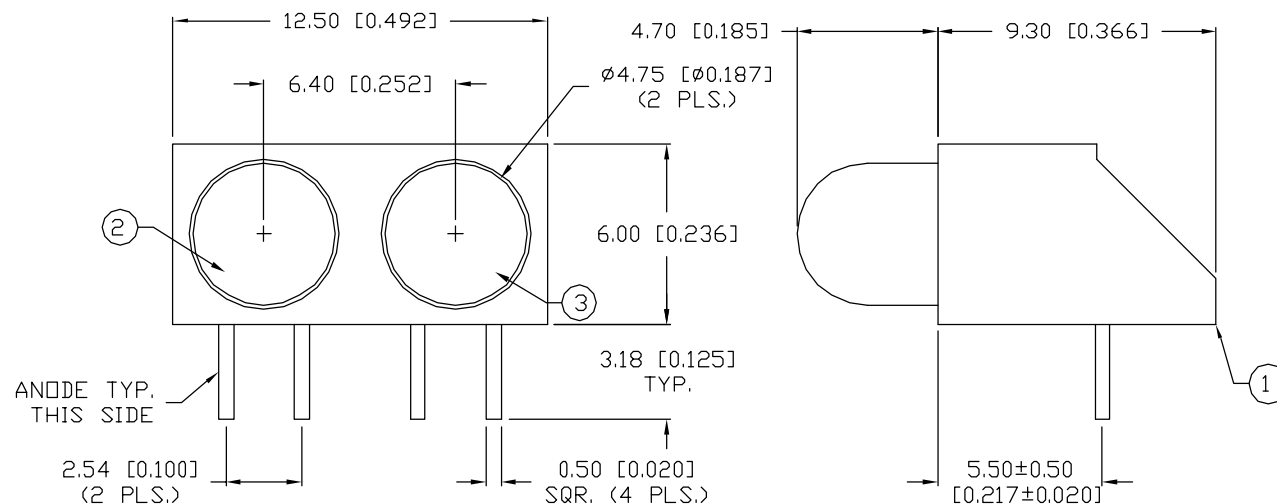


SSF-LXH2100BIBYD-1

PRELIMINARY IN P/N DIR



## NOTES:

1. SSH-LXH2100, BLACK HOLDER.
2. SSL-LX509F3BID, BLINKING RED LED.
3. SSL-LX509F3BYD, BLINKING YELLOW LED.

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

| PARAMETER                         | RED  | YELLOW | UNITS    | TEST COND                      |
|-----------------------------------|------|--------|----------|--------------------------------|
| PEAK WAVELENGTH                   | 635  | 585    | nm       |                                |
| FORWARD VOLTAGE (TYP.)            | 3.0  | 3.0    | $V_f$    |                                |
| FORWARD VOLTAGE (MAX.)            | 14.0 | 14.0   | $V_f$    |                                |
| BLINKING FREQUENCY:               | 1.5  | 1.5    | Hz       | $V_f=14.0$ , $I_f=70\text{mA}$ |
|                                   | 2.5  | 2.5    | Hz       | $V_f=3.0$ , $I_f=6\text{mA}$   |
| AXIAL INTENSITY                   | 40   | 20     | mcd      | $I_f=20\text{mA}$              |
| VIEWING ANGLE                     | 60   | 60     | 2x theta |                                |
| LED POSITION:                     | 1    | 2      |          |                                |
| EPOXY LENS FINISH: COLOR DIFFUSED |      |        |          |                                |

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

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 70         | mA                   |
| STEADY CURRENT                 |        | 20         | 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), 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 MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH2100BIBYD-1

T-5mm (T-1 3/4) DUAL LED HOLDER,  
BLINKING RED AND YELLOW, COLOR DIFFUSED PER POSITION.

## 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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SCALE: N/A