

UNCONTROLLED DOCUMENT

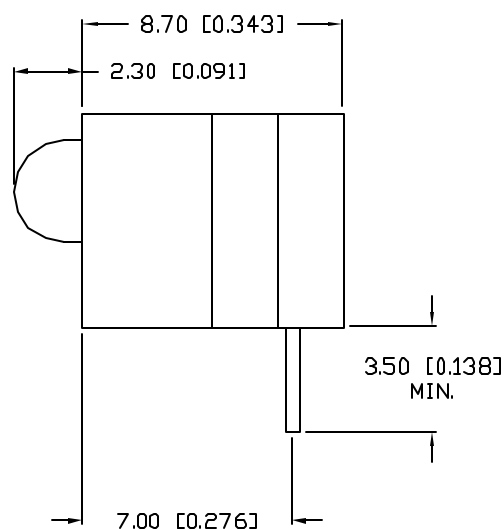
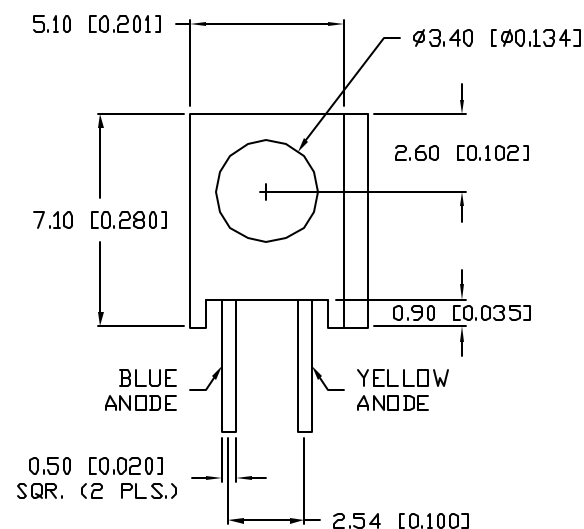
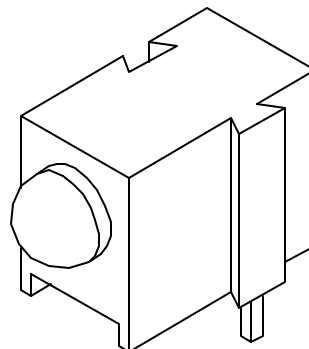
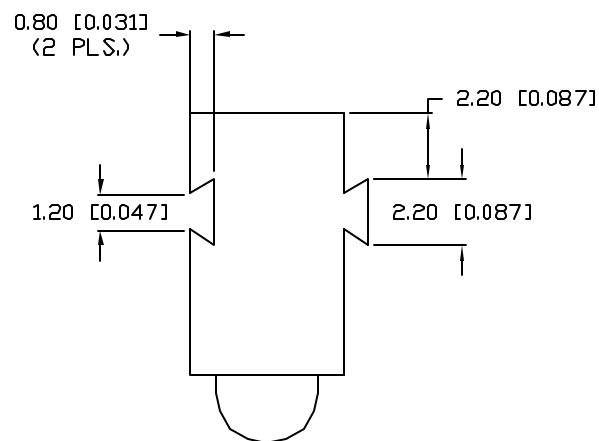
SC:0.25

PART NUMBER

REV.

SSF-LXH2300-Q9537

PRELIMINARY IN P/N DIR

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

| PARAMETER             | MIN                  | TYP          | MAX     | UNITS          | TEST COND             |
|-----------------------|----------------------|--------------|---------|----------------|-----------------------|
| PEAK WAVELENGTH       |                      | 430 (BLUE)   |         | nm             |                       |
|                       |                      | 585 (YELLOW) |         | nm             |                       |
| FORWARD VOLTAGE (B/Y) |                      | 3.5/2.1      | 4.0/2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE       | 5.0                  |              |         | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY (B/Y) |                      | 15/7         |         | mcd            | I <sub>f</sub> =20mA  |
| VIEWING ANGLE         |                      | 60           |         | 2x theta       |                       |
| EMITTED COLOR:        | BLUE/YELLOW          |              |         |                |                       |
| EPOXY LENS FINISH:    | MILKY WHITE DIFFUSED |              |         |                |                       |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    | (B/Y)  | 100/150    | mA         |
| STEADY CURRENT           |        | 30         | mA         |
| POWER DISSIPATION        | (B/Y)  | 98/105     | 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 |

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

NOTES:

- SSL-LX306F4S8BYW, BICOLOR BLUE/YELLOW LED.
- SSH-LX2300, BLACK HOLDER.

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

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+DECIMAL PRECISION MAX.= +0.00  
-0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH2300-Q9537

T-3mm (T-1) MATING RIGHT ANGLE FAULT INDICATOR,  
BICOLOR 430nm BLUE/585nm YELLOW LED,  
MILKY WHITE DIFFUSED 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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PAGE: 1 OF 1

SCALE: N/A

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