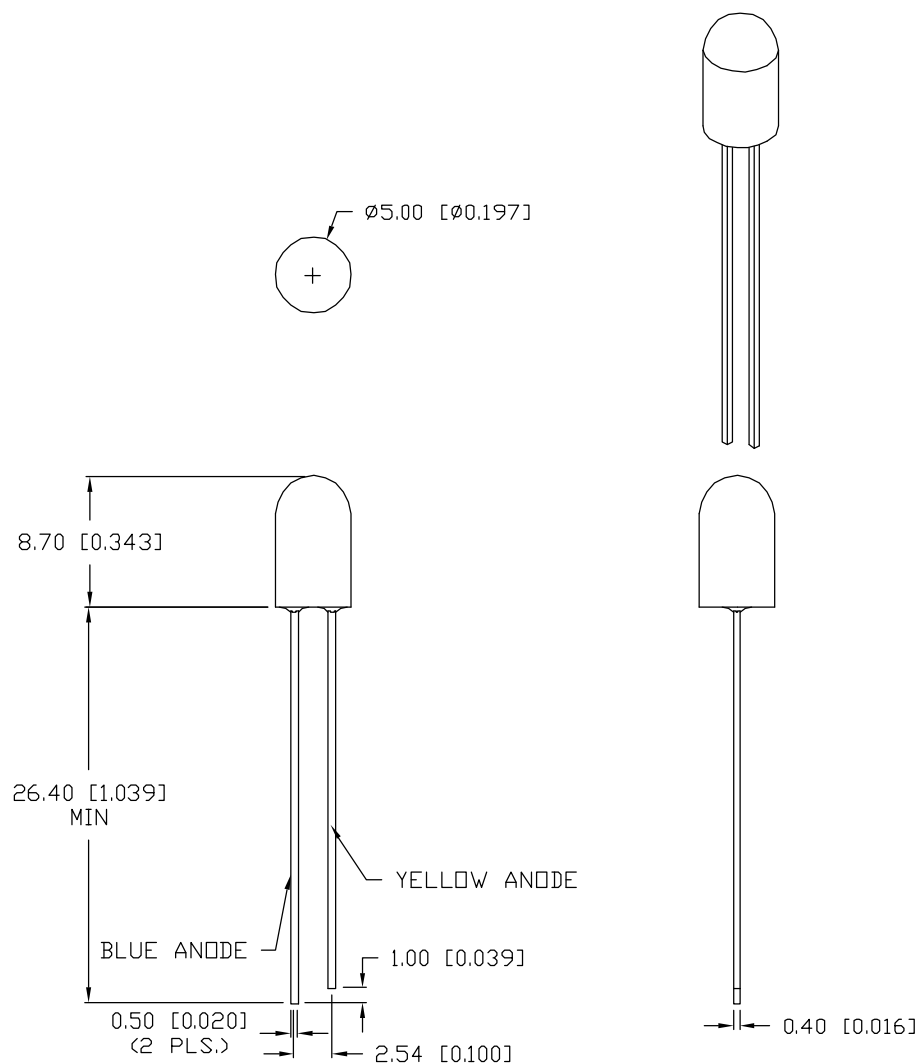


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER             | MIN | TYP                  | MAX     | UNITS    | TEST COND            |
|-----------------------|-----|----------------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |     | 465 (BLUE)           |         | nm       |                      |
|                       |     | 590 (YELLOW)         |         | nm       |                      |
| FORWARD VOLTAGE (B/Y) |     | 3.2/2.0              | 3.8/2.5 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0 |                      |         | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (B/Y) |     | 350/1100             |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE (B/Y)   |     | 45/40                |         | 2x theta |                      |
| EMITTED COLOR:        |     | BLUE/YELLOW          |         |          |                      |
| EPOXY LENS FINISH:    |     | MILKY WHITE DIFFUSED |         |          |                      |

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

| PARAMETER                        | MAX         | UNITS                  |
|----------------------------------|-------------|------------------------|
| PEAK FORWARD CURRENT*            | 100         | mA                     |
| STEADY CURRENT                   | 20          | mA                     |
| POWER DISSIPATION                | 80          | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2        | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP.                  | -30 TO +80  | $^{\circ}\text{C}$     |
| STORAGE TEMP.                    | -40 TO +100 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260        | $^{\circ}\text{C}$     |
| 2.0MMFROMBODY                    |             | 5 SEC. MAX             |

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

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



\*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

SLX-LX509F6USBSYW

T-5mm (T-1 3/4) BI-COLOR BLUE/YELLOW,  
MILKY WHITE DIFFUSED.  
FLANGLSS.

## 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