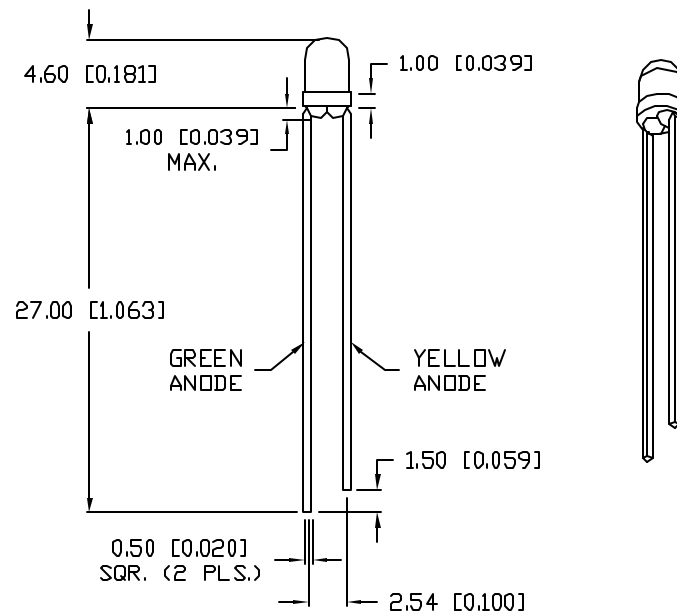
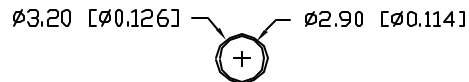


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX3044GYWREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 5.8.01 |

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

| PARAMETER             | MIN          | TYP          | MAX     | UNITS    | TEST COND            |
|-----------------------|--------------|--------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |              | 585 (GREEN)  |         | nm       |                      |
|                       |              | 585 (YELLOW) |         | nm       |                      |
| FORWARD VOLTAGE (C/Y) |              | 2.2/2.1      | 2.6/2.5 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0          |              |         | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY       |              | 20           |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |              | 60           |         | 2x theta |                      |
| EMITTED COLOR:        | GREEN/YELLOW |              |         |          |                      |
| EPOXY LENS FINISH:    | MILKY WHITE  |              |         |          |                      |

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

| PARAMETER                        | COLORS | MAX        | UNITS                  |
|----------------------------------|--------|------------|------------------------|
| PEAK FORWARD CURRENT*            |        | 150        | mA                     |
| STEADY CURRENT                   | (C/Y)  | 25/30      | mA                     |
| POWER DISSIPATION                |        | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ |        | -1.6       | 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.

A

PART NUMBER

SSL-LX3044GYW

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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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T-3mm (T-1) 565nm GREEN/585nm YELLOW BICOLOR LED,  
MILKY WHITE DIFFUSED LENS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 5.10.95

PAGE: 1 OF 1

SCALE: N/A