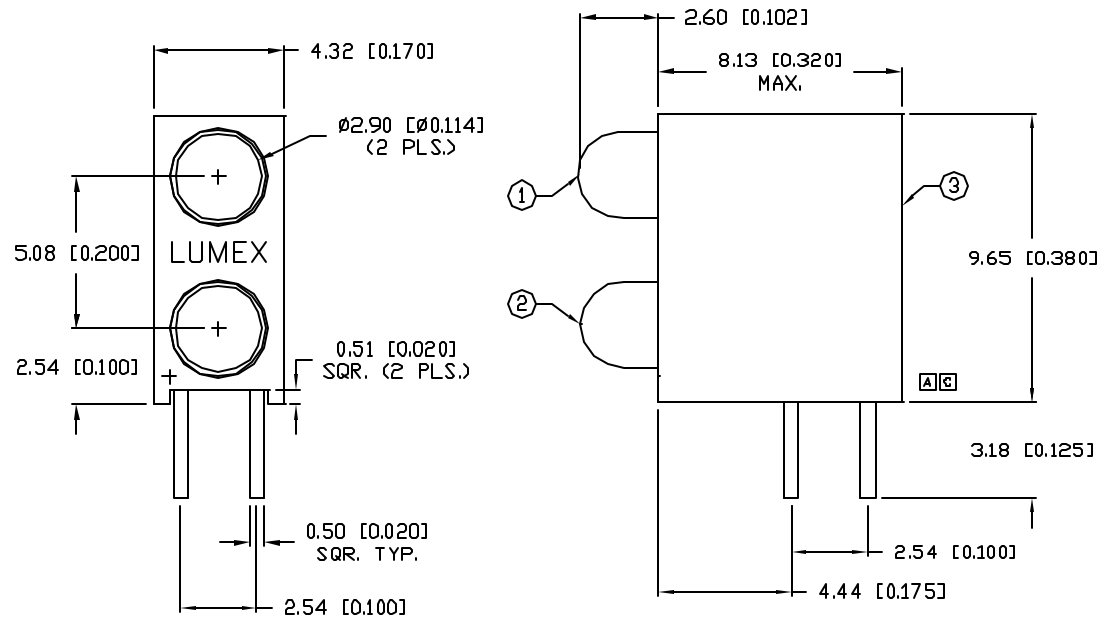


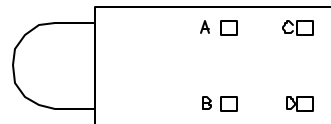
UNCONTROLLED DOCUMENT

|               |  |          |
|---------------|--|----------|
| PART NUMBER   |  | REV.     |
| SSF-LXH240YGD |  | F        |
| REV.          | E.C.N. NUMBER AND REVISION COMMENTS    | DATE     |
| A             | E.C.N. CHG'D. STAND-OFF HOLDER BOTTOM. | 08.16.94 |
| B             | E.C.N. UPDATE SPECS.                   | 11.29.94 |
| C             | E.C.N. CHG'D. HOLDER BOTTOM.           | 02.06.95 |
| D             | E.C.N. #10100.                         | 10.05.95 |
| E             | E.C.N. #10104.                         | 02.06.96 |
| F             | E.C.N. #10BRDR. & #11148.              | 06.19.08 |



NOTES:

1. SSL-LX3044YD, YELLOW LED.
2. SSL-LX3044GD, GREEN LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.



- A. GREEN CATHODE
- B. GREEN ANODE
- C. YELLOW CATHODE
- D. YELLOW ANODE

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

| PARAMETER   | YELLOW | GREEN | UNITS          | TEST COND            |
|---|--------|-------|----------------|----------------------|
| PEAK WAVELENGTH                                   | 585    | 565   | nm             |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.1    | 2.2   | V <sub>f</sub> |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.5    | 2.6   | V <sub>f</sub> |                      |
| REVERSE VOLTAGE                                   | 5.0    | 5.0   | V <sub>r</sub> | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 30     | 30    | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 60     | 60    | 2x theta       |                      |
| LED POSITION:                                     | 1      | 2     |                |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |        |       |                |                      |

LIMITS OF SAFE OPERATION AT 25°C PER LED

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    |        | 150        | mA         |
| STEADY CURRENT           | (Y/G)  | 30/25      | mA         |
| POWER DISSIPATION        |        | 105        | mW         |
| DERATE FROM 25°C         |        | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. |        | -40 TO +85 | °C         |
| SOLDERING TEMP.          |        | +260       | °C         |
| 2.0mm FROM BODY          |        |            | 3 SEC. MAX |

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

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

|   |                              |   |  |
|---|------------------------------|---|--|
| REV.<br>F   | PART NUMBER<br>SSF-LXH240YGD | <p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>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.</p> | <p>290 E. HELEN ROAD<br/>PALATINE, IL 60067-6976<br/>PHONE: +1.847.359.2790<br/>US WEB: www.lumex.com<br/>TW WEB: www.lumex.com.tw</p> |
| T-3mm LED, DUAL LEVEL RIGHT ANGLE PCB IND.<br>TOP POS: YELLOW, BOTTOM POS: GREEN. |                              | <p>DRAWN BY: BG</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>  | <p>DATE: 02.02.93</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>  |