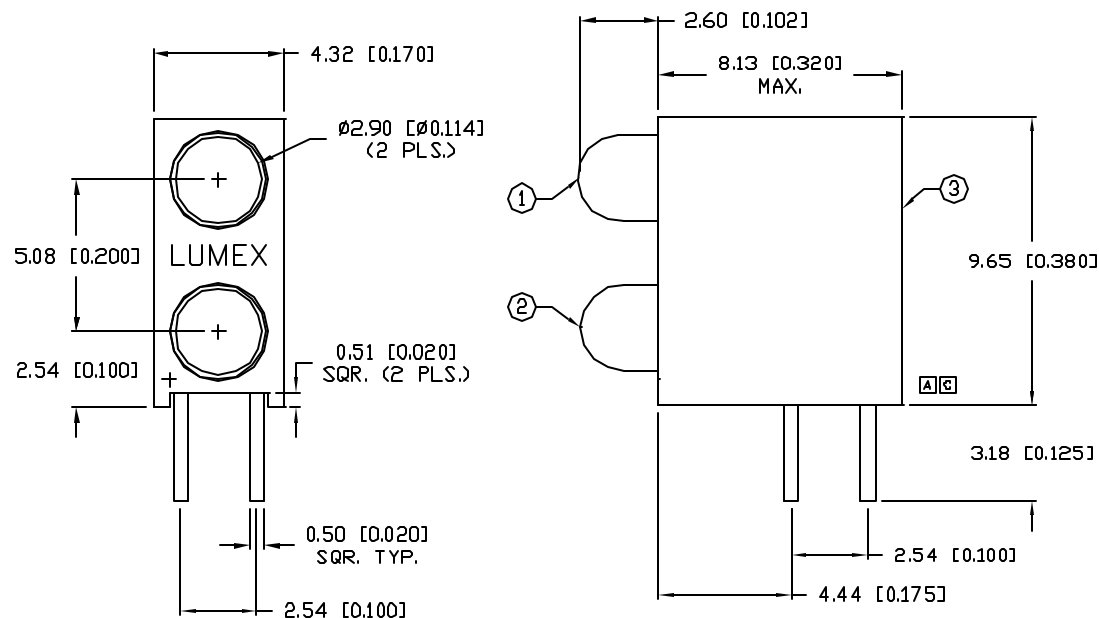


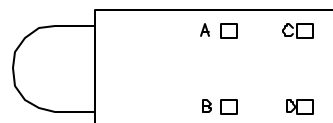
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| PART NUMBER   |                                        | REV.     |
|---------------|----------------------------------------|----------|
| SSF-LXH240YGD |                                        | F        |
| REV.          | E.C.N. NUMBER AND REVISION 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> | $I_r=100\mu\text{A}$ |
| 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 |

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

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\*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=+0.00 PRECISION MAX.=+0.00 PRECISION

REV.

F

PART NUMBER

SSF-LXH240YGD

T-3mm LED, DUAL LEVEL RIGHT ANGLE PCB IND.

TOP POS: YELLOW, BOTTOM POS: GREEN.

## 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