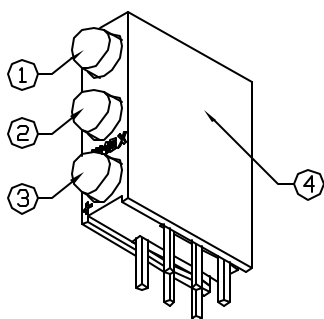
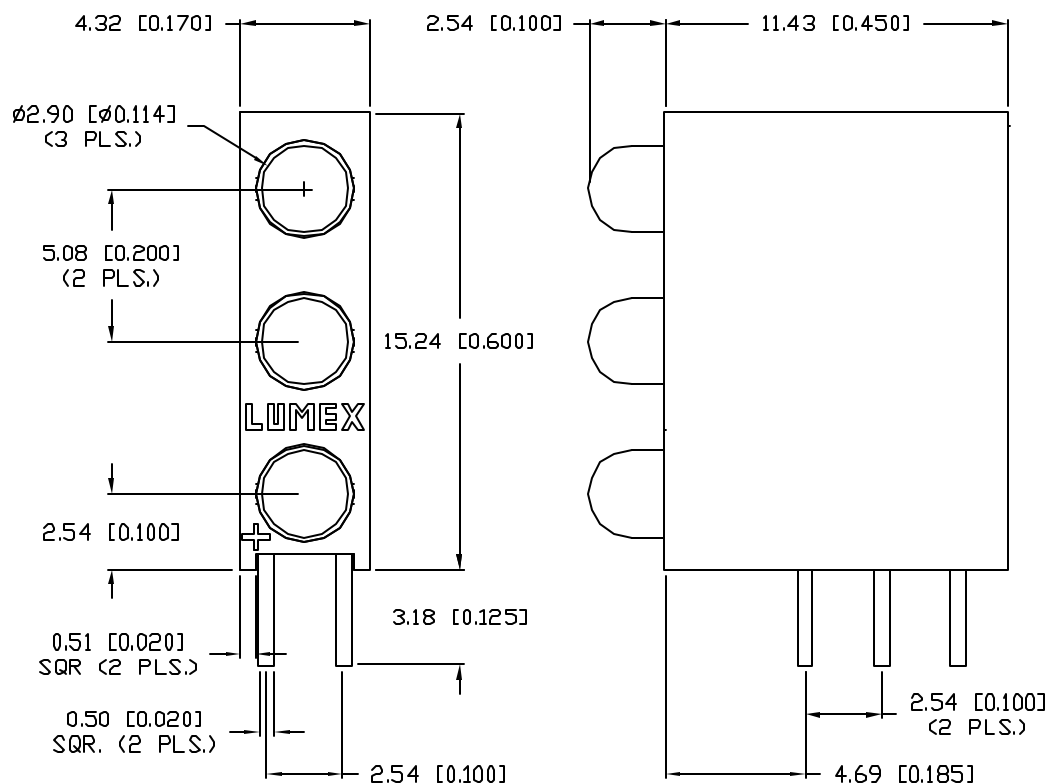


## LEAD NOTES:

- A. BLUE ANODE.  
B. BLUE CATHODE.  
C. YELLOW ANODE.  
D. GREEN ANODE.  
E. GREEN ANODE.  
F. GREEN CATHODE.

## NOTES:

1. SSL-LX3044GD, GREEN LED.  
2. SSL-LX3044YGW, YELLOW/GREEN LED.  
3. SSL-LX3044SBD/A, BLUE LED.  
4. SSH-LXH34D HOLDER, BLACK NYLON, 94V-0.

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

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

| PARAMETER              | GREEN                                                                           | YELLOW | BLUE | UNITS                            | TEST COND            |
|------------------------|---------------------------------------------------------------------------------|--------|------|----------------------------------|----------------------|
| PEAK WAVELENGTH        | 565                                                                             | 585    | 430  | nm                               |                      |
| FORWARD VOLTAGE (TYP.) | 2.2                                                                             | 2.1    | 4.5  | $V_f$                            |                      |
| FORWARD VOLTAGE (MAX.) | 2.6                                                                             | 2.5    | 5.5  | $V_f$                            |                      |
| REVERSE VOLTAGE        | 5.0                                                                             | 5.0    | 5.0  | $V_r$                            | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY        | 20                                                                              | 20     | 30   | mcd                              | $I_f=20\text{mA}$    |
| VIEWING ANGLE          | 60                                                                              | 60     | 60   | $2 \times \theta_{\text{theta}}$ |                      |
| LED POSITION:          | 1,2                                                                             | 2      | 3    |                                  |                      |
| EPOXY LENS FINISH:     | POS. 1: GREEN DIFFUSED<br>POS. 2: MILKY WHITE DIFFUSED<br>POS. 3: BLUE DIFFUSED |        |      |                                  |                      |

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

| PARAMETER                      | COLORS  | MAX        | UNITS                      |
|--------------------------------|---------|------------|----------------------------|
| PEAK FORWARD CURRENT*          | (B/G/Y) | 98/150/150 | mA                         |
| STEADY CURRENT                 | (B/G/Y) | 30/25/30   | mA                         |
| POWER DISSIPATION              |         | 105        | mW                         |
| DERATE FROM $25^\circ\text{C}$ |         | -1.2       | $\text{mW}/^\circ\text{C}$ |
| 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), 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.

PART NUMBER

SSF-LXH34GDYGWSBD

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,  
POS. 1: 565 GREEN LEDS, POS.2: 565/585 GREEN/YELLOW,  
POS.3: 430nm SUPER BLUE LED.

## 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

JD