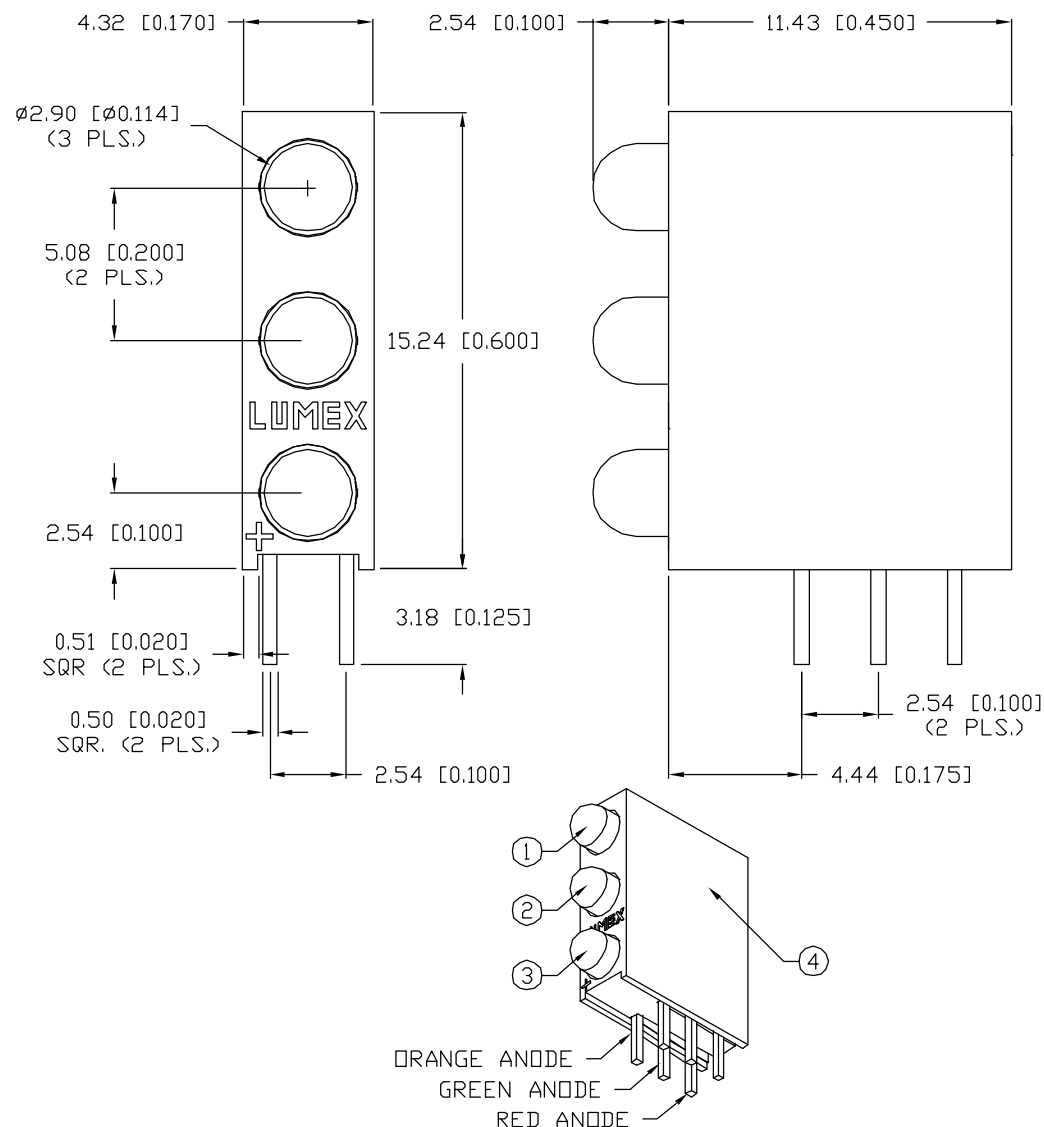


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER                                      | RED | GREEN | ORANGE | UNITS    | TEST COND            |
|------------------------------------------------|-----|-------|--------|----------|----------------------|
| PEAK WAVELENGTH                                | 636 | 574   | 610    | nm       |                      |
| FORWARD VOLTAGE (TYP.)                         | 1.9 | 2.2   | 2.0    | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                         | 2.5 | 2.6   | 2.5    | $V_f$    |                      |
| REVERSE VOLTAGE                                | 5.0 | 5.0   | 5.0    | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                | 450 | 100   | 800    | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                  | 30  | 30    | 30     | 2x theta |                      |
| LED POSITION:                                  | 1   | 2     | 3      |          |                      |
| EPOXY LENS FINISH: COLOR DIFFUSED PER POSITION |     |       |        |          |                      |

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

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

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

## NOTES:

1. SSL-LX3044SID RED LED.
2. SSL-LX3044SUGD GREEN LED.
3. SSL-LX3044SOD ORANGE LED.
4. SSH-LXH340 HOLDER BLACK NYLON, 94V-0.

\*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

SSF-LXH340SISUGSOD

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,  
 POS.1: 636nm AlInGaP RED, POS.2: 574nm AlInGaP GREEN,  
 POS.3: 610 AlInGaP ORANGE, COLOR DIFFUSED.

## 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