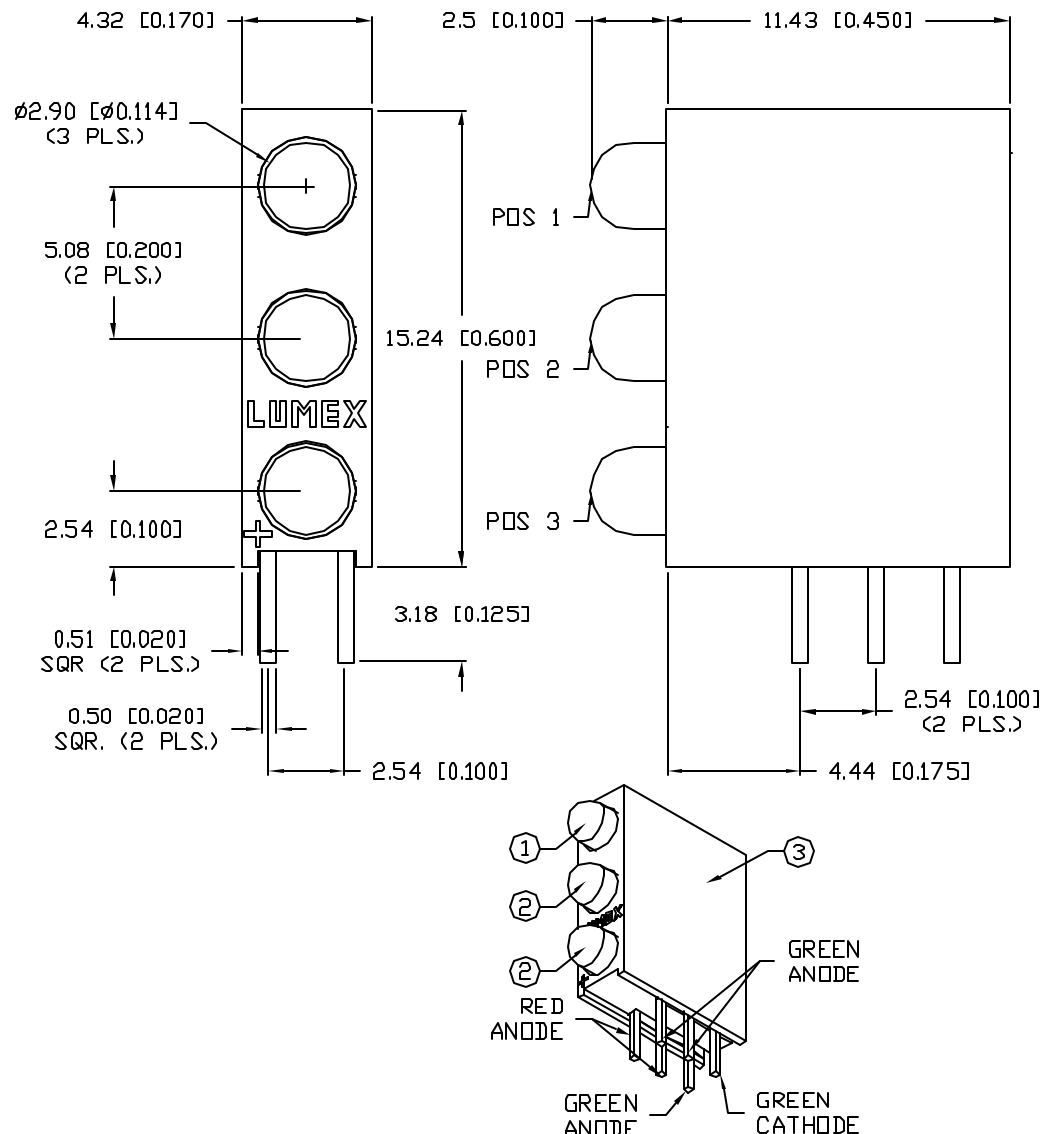


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER              | GREEN      | RED | GREEN | UNITS    | TEST COND            |
|------------------------|------------|-----|-------|----------|----------------------|
| PEAK WAVELENGTH        | 565        | 635 | 565   | nm       |                      |
| FORWARD VOLTAGE (TYP.) | 2.2        | 2.1 | 2.2   | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.) | 2.6        | 2.5 | 2.6   | $V_f$    |                      |
| REVERSE VOLTAGE        | 5.0        | 5.0 | 5.0   | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY        | 40         | 30  | 30    | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE          | 60         | 60  | 60    | 2x theta |                      |
| LED POSITION:          | 1          | 2~3 | 2~3   |          |                      |
| EPOXY LENS FINISH:     | SEE NOTES. |     |       |          |                      |

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

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                   |
| STEADY CURRENT                 | (G/R)  | 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           |

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

## NOTES:

- SSL-LX3044GD, GREEN LED, GREEN DIFFUSED LENS.
- SSL-LX3044GW, BICOLOR RED/GREEN LED, MILKY WHITE DIFFUSED LENS. (2 PCS.)
- SSH-LXH340 HOLDER, BLACK NYLON, 94V-0.

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.

PART NUMBER

SSF-LXH340GDIGIGW

## 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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DATE: 2.18.02

PAGE: 1 OF 1

SCALE: N/A

CT

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,

POS. 1: 565nm GREEN, POS.2,3: 635nmRED/565nmGREEN