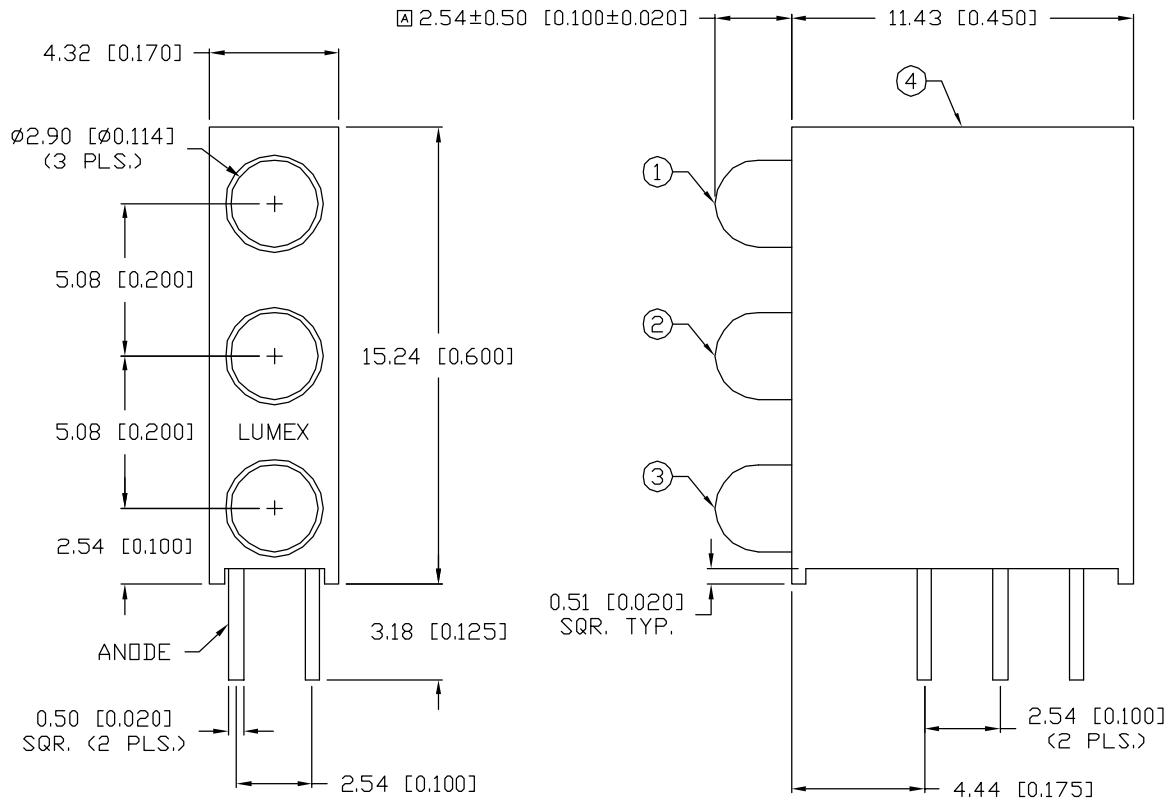


UNDER REVISION

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11521.                      | 09.19.08 |

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

| PARAMETER                                         | AMBER | GREEN | YELLOW | UNITS    | TEST COND            |
|---------------------------------------------------|-------|-------|--------|----------|----------------------|
| PEAK WAVELENGTH                                   | 605   | 565   | 585    | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.0   | 2.2   | 2.1    | nm       |                      |
| 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                                   | 30    | 20    | 20     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 60    | 60    | 60     | 2x theta |                      |
| LED POSITION:                                     | 1     | 2     | 3      |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |       |       |        |          |                      |

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

| PARAMETER                      | COLORS  | MAX        | UNITS                |
|--------------------------------|---------|------------|----------------------|
| PEAK FORWARD CURRENT*          |         | 150        | mA                   |
| STEADY CURRENT                 | (A/G/Y) | 30/25/30   | 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:

1. SSL-LX3044AD, AMBER LED, AMBER DIFFUSED LENS.
2. SSL-LX3044GD, GREEN LED, GREEN DIFFUSED LENS.
3. SSL-LX3044YD, YELLOW LED, YELLOW DIFFUSED LENS.
4. SSH-LXH340 HOLDER, BLACK NYLON, 94V-0.

[C] [M] [C] [3] [C] [3] UNCONTROLLED DOCUMENT

\*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-LXH340AGYD

## 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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T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER.  
POS.1: 605 AMBER LED, POS.2: 565nm GREEN LED,  
POS.3: 585nm YELLOW LED,, DIFFUSED PER COLOR.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 07.06.05

JD

PAGE: 1 OF 1

SCALE: N/A