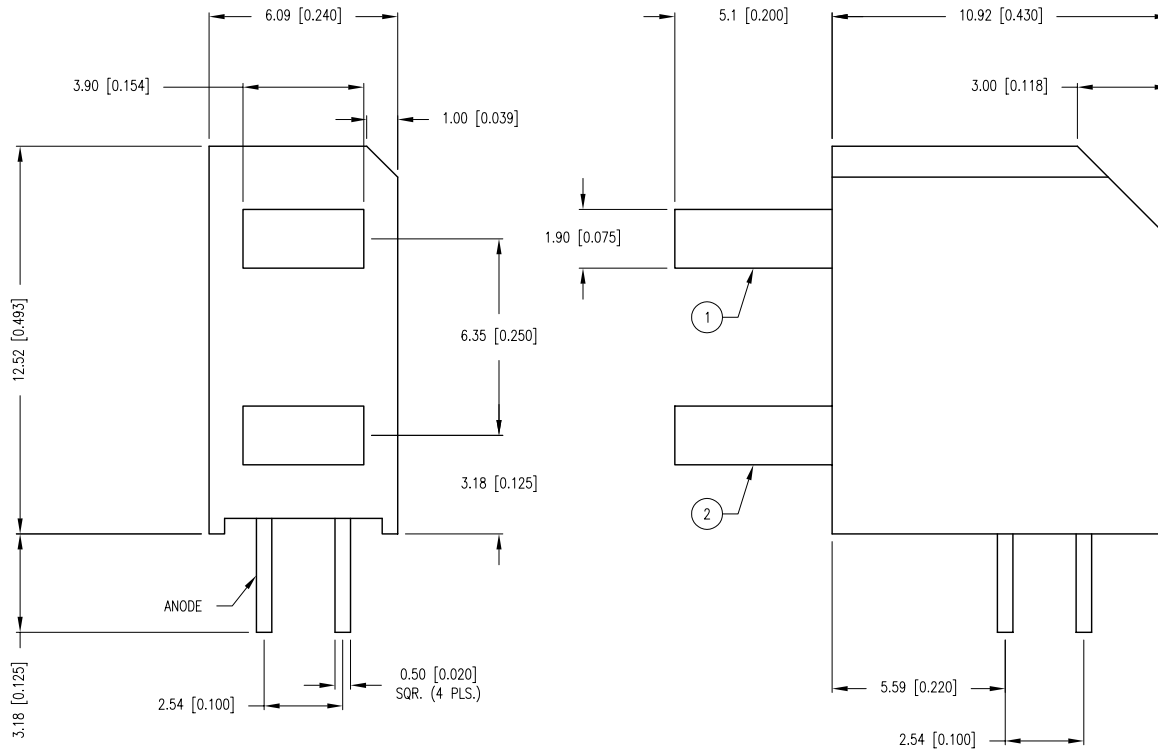


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSF-H2247YGD                        | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.04.11    | E.C.N. #10BRDR.                     |      | A    |



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   | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.5    | 2.6   | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0    | 5.0   | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 8      | 8     | mcad     | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 110    | 110   | 2x theta |                      |
| LED POSITION:                                     | 1      | 2     |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |        |       |          |                      |

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

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

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

NOTES:

- SSL-LX2473YD, YELLOW LED.
- SSL-LX2473GD, GREEN LED.

\*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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$



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2mm x 4mm RECTANGULAR DUAL TOWER, POS. 1: YELLOW, POS.2: GREEN, COLORED DIFFUSED.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 10.04.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS |
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