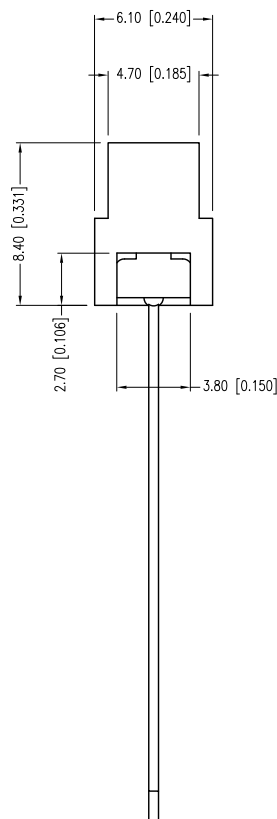
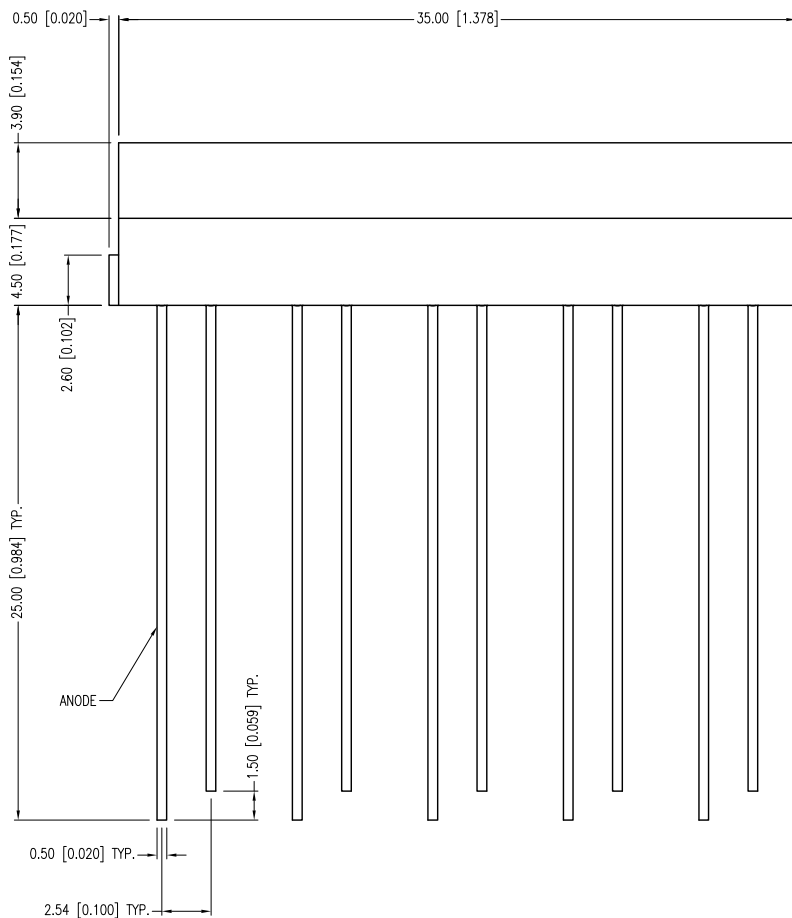
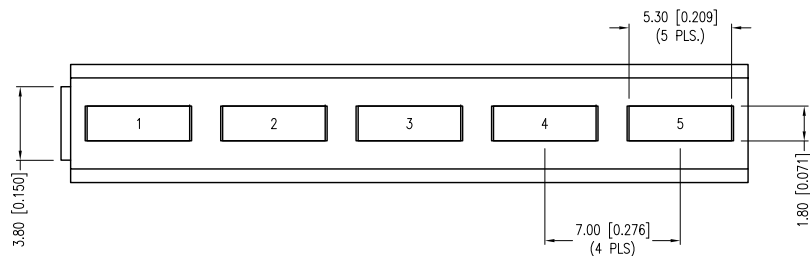


| PART NUMBER | SSA-LXB525-G2YAI                    | REV. | C    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.06.07    | E.C.N. #11399.                      |      | A    |
| 03.11.13    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |
| 06.06.17    | E.C.N. #11965.                      |      | C    |

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

| PARAMETER                                         | GREEN | YELLOW | AMBER | RED | UNITS    | TEST COND            |
|---------------------------------------------------|-------|--------|-------|-----|----------|----------------------|
| PEAK WAVELENGTH                                   | 565   | 585    | 610   | 635 | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.0   | 2.0    | 2.1   | 2.2 | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.5   | 2.5    | 2.5   | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0   | 5.0    | 5.0   | 5.0 | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 15    | 10     | 10    | 10  | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 110   | 110    | 110   | 110 | 2x theta |                      |
| LED POSITION:                                     | 1,2   | 3      | 4     | 5   |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |       |        |       |     |          |                      |

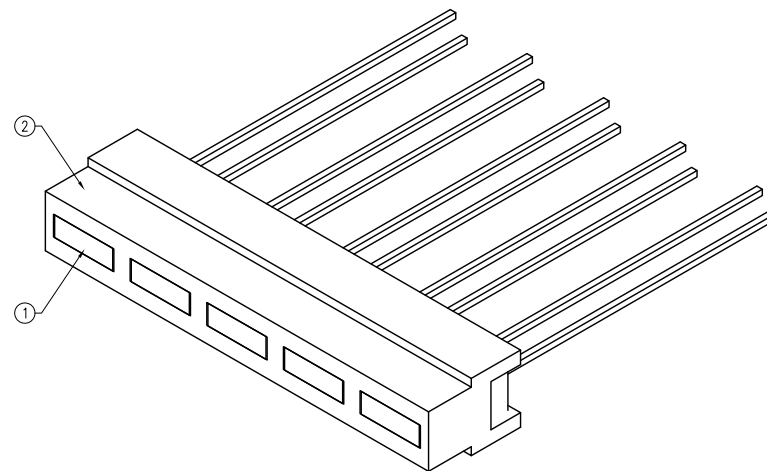
LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$  PER CHIP

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

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

## NOTES:

1. SSL-LX2583GD, LED. (2 PCS.)  
 SSL-LX2583YD, LED. (1 PC.)  
 SSL-LX2583AD, LED. (1 PC.)  
 SSL-LX2583ID, LED. (1 PC.)  
 2. SSH-LXH525, HOLDER.  
 3. BACKFILL BOTTOM OF HOLDER WITH U.V. GLUE TO SECURE LEADS.



\*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=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT