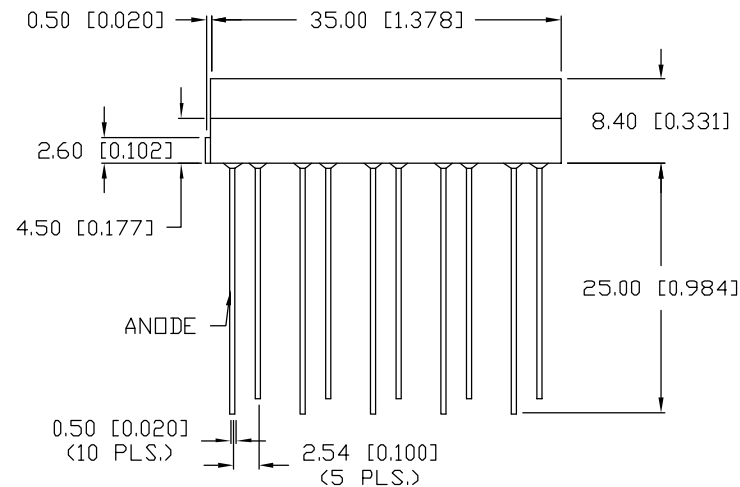
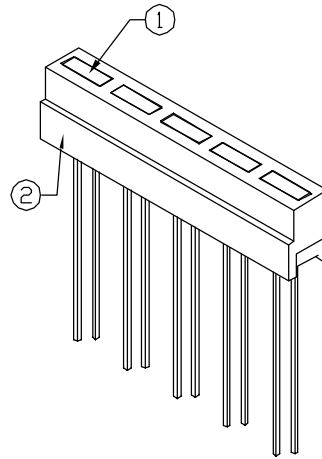
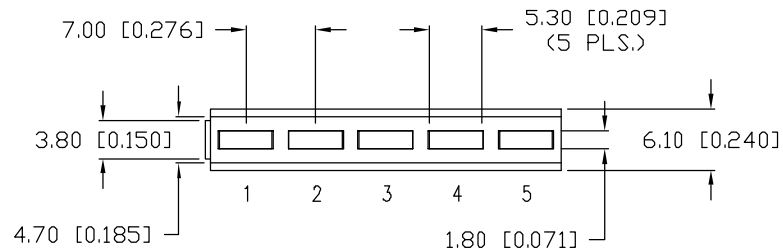
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER                                         | GREEN | YELLOW | RED | UNITS    | TEST COND            |
|---------------------------------------------------|-------|--------|-----|----------|----------------------|
| PEAK WAVELENGTH                                   | 565   | 585    | 635 | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.2   | 2.1    | 2.0 | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.6   | 2.5    | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0   | 5.0    | 5.0 | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 10    | 10     | 15  | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 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/R) | 25/30/30   | 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-LX2583GD, LED. (2 PC.)  
 SSL-LX2583YD, LED. (2 PC.)  
 SSL-LX2583ID, LED. (1 PCS.)
2. SSH-LXH525, HOLDER.
3. BACKFILL BOTTOM OF HOLDER WITH U.V. GLUE TO SECURE LEDS.

\*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 -0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSA-LXB525G2Y2I1D

1.8mm x 5.3mm 5 UNIT LED ARRAY,  
 POS.1~2: GREEN, POS.3~4: YELLOW, POS.5: RED,  
 COLOR DIFFUSED LENS.

## 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: 5.22.03

PAGE: 1 OF 1

SCALE: N/A