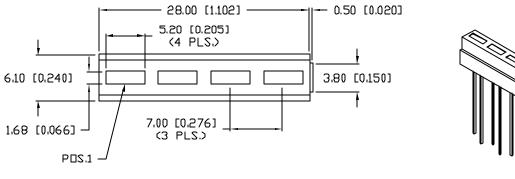
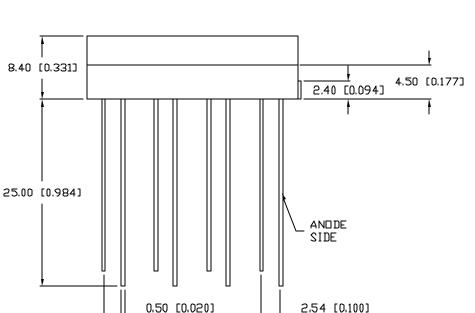
## SSA-LXB425G1Y1G2D





| ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA |            |            |                |              |  |  |  |  |
|---|------------|------------|----------------|--------------|--|--|--|--|
| PARAMETER                                       | GREEN      | YELLOW     | UNITS          | TEST COND    |  |  |  |  |
| PEAK WAVELENGTH                                 | 565        | 585        | nm             |              |  |  |  |  |
| FORWARD VOLTAGE (TYP.)                          | 2.2        | 2.1        | ۷ <sub>f</sub> |              |  |  |  |  |
| FORWARD VOLTAGE (MAX.)                          | 2.6        | 2.5        | ۷ <sub>f</sub> |              |  |  |  |  |
| REVERSE VOLTAGE                                 | 5.0        | 5.0        | ٧ <sub>r</sub> | Ir=100µA     |  |  |  |  |
| AXIAL INTENSITY                                 | 10         | 1 D        | mcd            | $I_f = 2DmA$ |  |  |  |  |
| VIEWING ANGLE                                   | 60         | 60         | 2x theta       |              |  |  |  |  |
| LED POSITION:                                   | 1,3,4      | 2          |                |              |  |  |  |  |
| EPOXY LENS FINISH: DIFFU                        | SED SAME A | AS EMITTED | COLOR          |              |  |  |  |  |

| LIMITS | Œ | Safe | <b>OPERATION</b> | ΑT | 25°C |
|--------|---|------|------------------|----|------|
|--------|---|------|------------------|----|------|

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    |        | 150        | mA         |
| STEADY CURRENT           | (Y/G)  | 30/25      | mA         |
| POWER DISSIPATION        |        | 105        | mW         |
| DERATE FROM 25°C         |        | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. |        | -40 TO +85 | Ċ          |
| SOLDERING TEMP.          |        | + 260      | ۲.         |
| 2.0mm FROM BODY          |        |            | 3 SEC. MAX |

<sup>\*</sup> t<10µS

UNCONTROLLED DOCUMENT

\*UNILESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XXX=±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). MN= +DECINAL PRECISION ARE: X=±1 (±0.039), XXX=±0.5 (±0.020), XXX=±0.127 (±0.005).

REV.

PART NUMBER SSA-LXB425G1Y1G2D

(2.219 8)

· 23.54 [0.927] —

2mm x 5mm RECTANGULAR 4 LED ARRAY, POS.1,3,4: 565nm GREEN LEDS, GREEN DIFFUSED LENS, POS.2: 585nm YELLOW LED, YELLOW DIFFUSED LENS.

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RELIABILITY NOTE

(4 PLS.)

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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DRAWN BY: CHECKED BY: APPROVED BY: DATE: 10.21.04 PAGE: 1 OF 1 SCALE: N/A

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