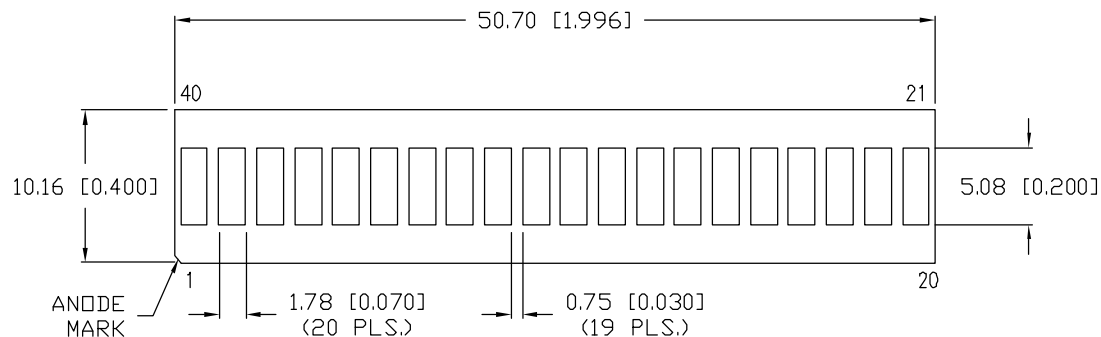


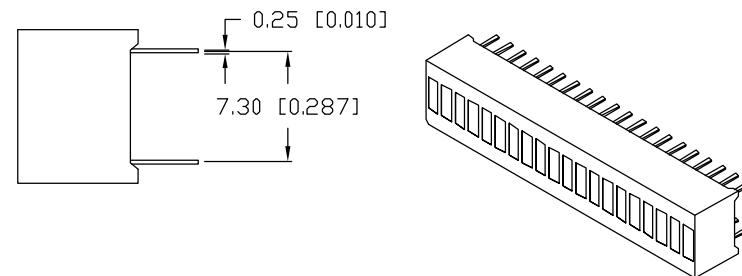
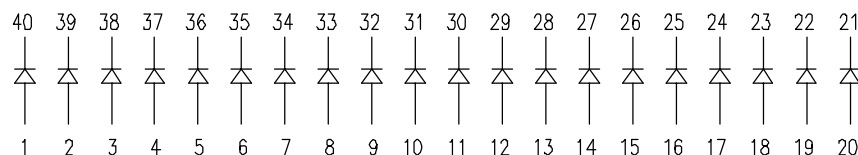
UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB20YWREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 7.3.01 |



PINOUT DETAIL: TOP VIEW

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

| PARAMETER          | MIN                  | TYP | MAX | UNITS    | TEST COND            |
|--------------------|----------------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                      | 585 |     | nm       |                      |
| FORWARD VOLTAGE    |                      | 2.1 | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0                  |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                      | 10  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                      | 160 |     | 2x theta |                      |
| EMITTED COLOR:     | YELLOW               |     |     |          |                      |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED |     |     |          |                      |
| FACE COLOR:        | BLACK                |     |     |          |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT                   | 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             |

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

\*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.  
APART NUMBER  
SSA-LXB20YW

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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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2mm x 5mm, 20 SEGMENT BAR GRAPH DISPLAY,  
585nm YELLOW LEDS, BLACK FACE, MILKY WHITE SEGMENTS.

|                 |             |              |                                            |
|-----------------|-------------|--------------|--------------------------------------------|
| DRAWN BY:<br>CT | CHECKED BY: | APPROVED BY: | DATE: 7.2.01<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|--------------------------------------------|

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