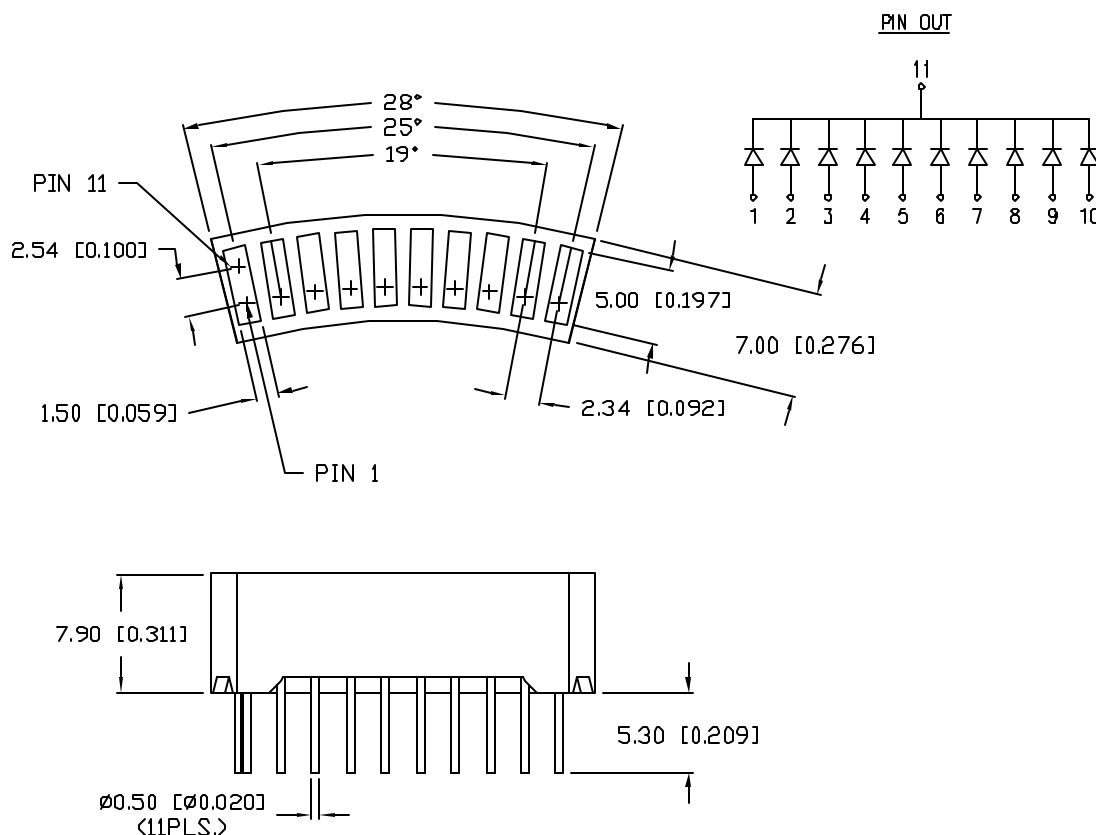


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB10GW-CURREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #11148                       | 5.22.07 |

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

| PARAMETER          | MIN                  | TYP         | MAX | UNITS    | TEST COND            |
|--------------------|----------------------|-------------|-----|----------|----------------------|
| PEAK WAVELENGTH    |                      | 565 (GREEN) |     | nm       |                      |
| FORWARD VOLTAGE    |                      | 2.2         | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0                  |             |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                      | 8           |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                      | 160         |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN                |             |     |          |                      |
| 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                 | 25         | 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= $\pm 1$  ( $\pm 0.039$ ), XX= $\pm 0.5$  ( $\pm 0.020$ ), XXX= $\pm 0.25$  ( $\pm 0.010$ ), XXXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.  
APART NUMBER  
SSA-LXB10GW-CUR

10 SEGMENT CURVED BAR GRAPH, 565nm GREEN LEDS,  
BLACK FACE WITH MILKY WHITE DIFFUSED EPOXY.

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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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| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 4.12.01 |
| JN        |             |              | PAGE: 1 OF 1  |
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