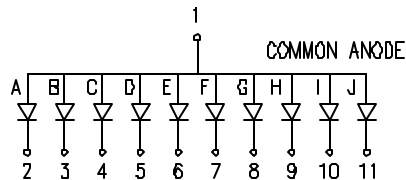
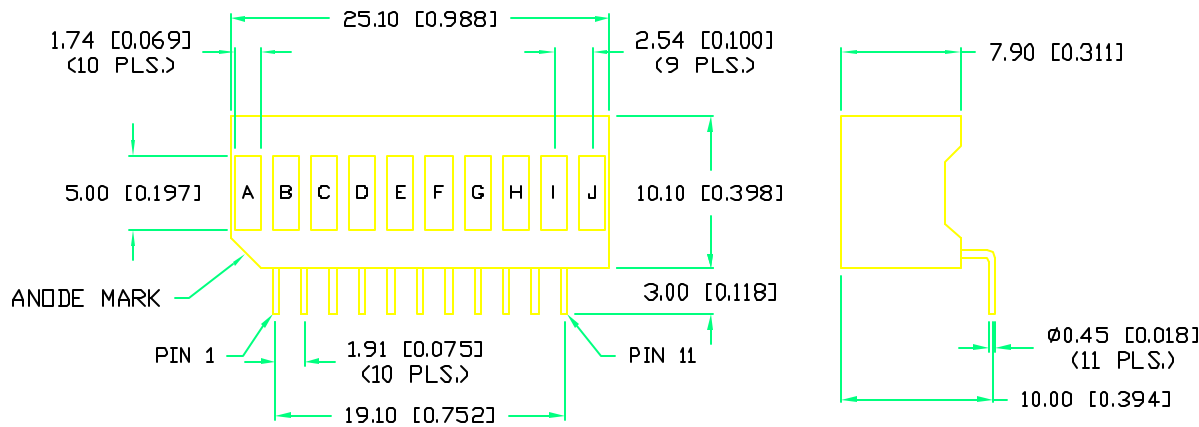


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PART NUMBER  
SSA-LXB10YW-RA

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A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10BRDR. & REDRAWN./         | 5-12-99 |



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

| PARAMETER          | MIN                  | TYP          | MAX | UNITS    | TEST COND            |
|--------------------|----------------------|--------------|-----|----------|----------------------|
| PEAK WAVELENGTH    |                      | 585 (YELLOW) |     | nm       |                      |
| FORWARD VOLTAGE    |                      | 2.1          | 2.5 | $V_f$    |                      |
| 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:     | YELLOW               |              |     |          |                      |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED |              |     |          |                      |
| FACE COLOR:        | GRAY                 |              |     |          |                      |

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           |

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

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010$ )

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10 ELEMENT ARRAY, 585nm YELLOW CHIPS,  
GRAY FACE WITH MILKY WHITE DIFFUSED EPOXY, RIGHT ANGLE.

**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.

|                 |             |              |                |
|-----------------|-------------|--------------|----------------|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 10-28-95 |
|                 |             |              | PAGE: 1 OF 1   |
|                 |             |              | SCALE: N/A     |