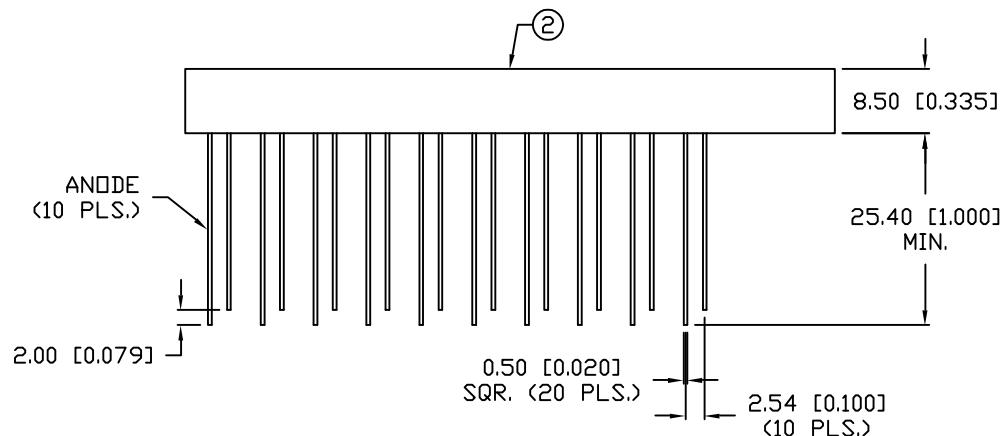
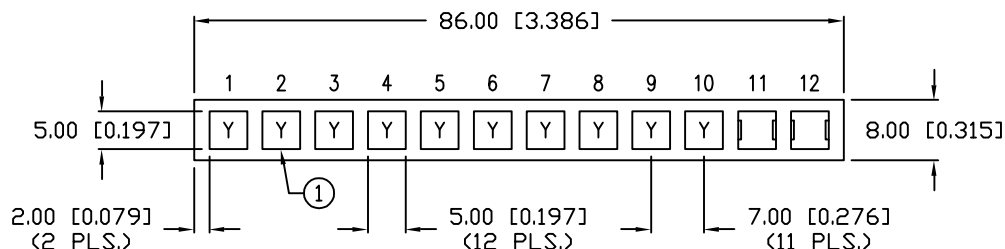


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB120-10YD

REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 12-6-99 |



NOTES:

1. SSL-LX5573YD, YELLOW LED. (10 PCS.)
2. SSH-LXH120B, BLACK HOLDER.
3. LEADS MUST BE SORTED BY INTENSITY.
4. POSITIONS 11 AND 12 ARE EMPTY.

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             |     |     | $V_r$      | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 10  |     | mcd        | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                 | 110 |     | $2x$ theta |                      |
| EMITTED COLOR:     | YELLOW          |     |     |            |                      |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |     |     |            |                      |

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

| PARAMETER                      | MAX        | UNITS                      |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                         |
| STEADY CURRENT                 | 30         | mA                         |
| POWER DISSIPATION              | 105        | mW                         |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | $\text{mW}/^\circ\text{C}$ |
| 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  $\pm 0.25\text{mm}$  ( $\pm 0.010''$ )

| REV. | PART NUMBER     |
|------|-----------------|
| A    | SSA-LXB120-10YD |

12 UNIT 5mm x 5mm RECTANGULAR LED ARRAY,  
10 585nm YELLOW LEADS, YELLOW 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.

**LUMEX**  
INCORPORATED

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|                 |             |              |              |
|-----------------|-------------|--------------|--------------|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 5-6-92 |
|                 |             |              | PAGE: 1 OF 1 |
|                 |             |              | SCALE: N/A   |