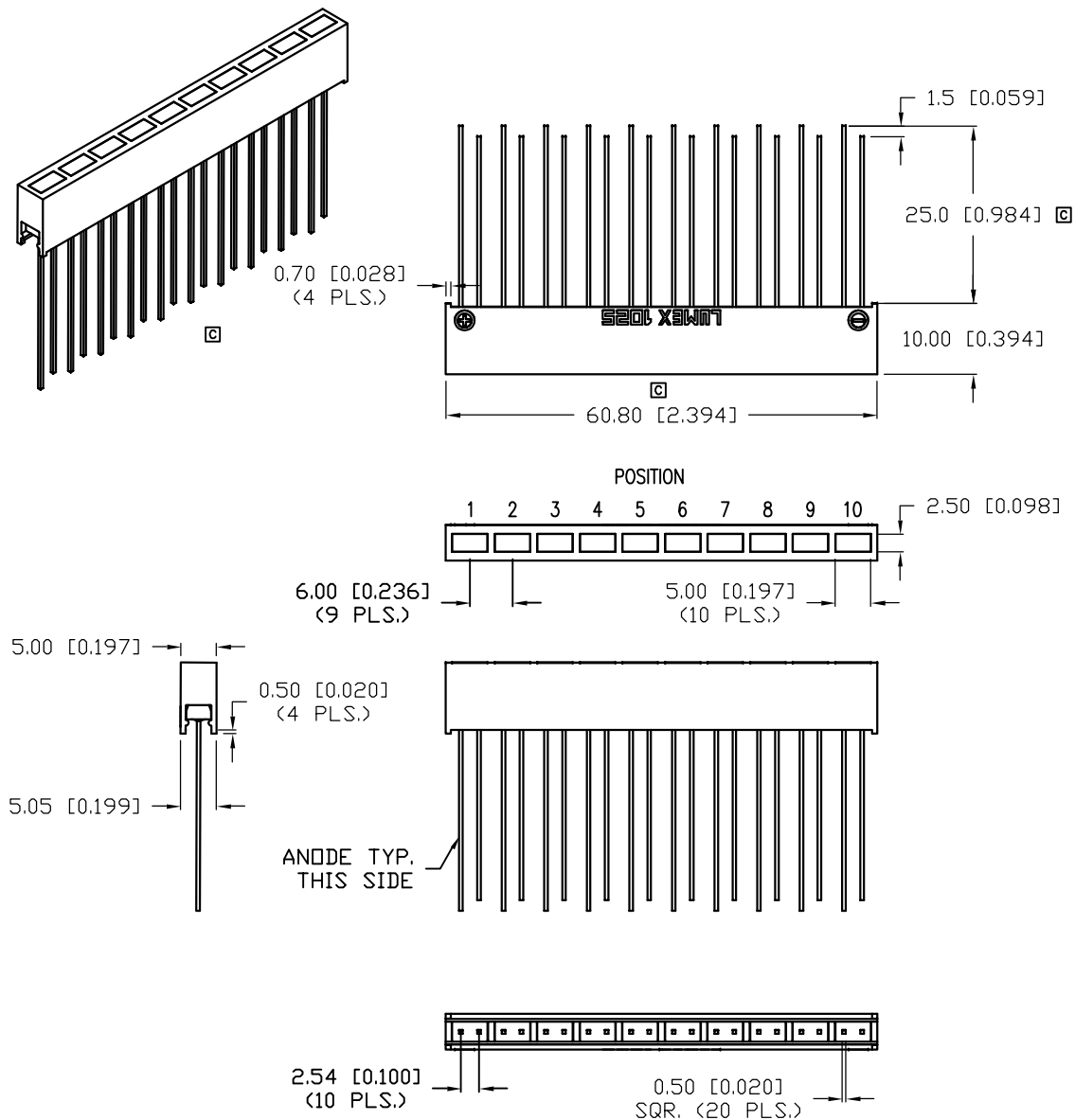


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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX=+0.00 -DECIMAL PRECISION

PART NUMBER  
SSA-LXH1025YD

REV.  
C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10149.                      | 5.8.96  |
| B    | E.C.N. #10BRDR.                     | 2.21.00 |
| C    | E.C.N. #10646.                      | 7.21.00 |

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      |                 | 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                 |

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

#### NOTES:

- SSH-LXH1025 HOLDER. MATERIAL.: BLACK NYLON, UL V94-0.
- SSL-LX25583YD, YELLOW LED (10 PCS.), UNCUT LEADS.
- SORT LEADS PER INTENSITY.
- ALL UNITS ARE 100% LIT FOR COLOR & INTENSITY MATCHING.

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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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10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEADS,  
585nm YELLOW LEADS, YELLOW DIFFUSED, UNCUT LEADS.

|                 |             |              |                |
|-----------------|-------------|--------------|----------------|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 10.19.92 |
|                 |             |              | PAGE: 1 OF 1   |
|                 |             |              | SCALE: N/A     |

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