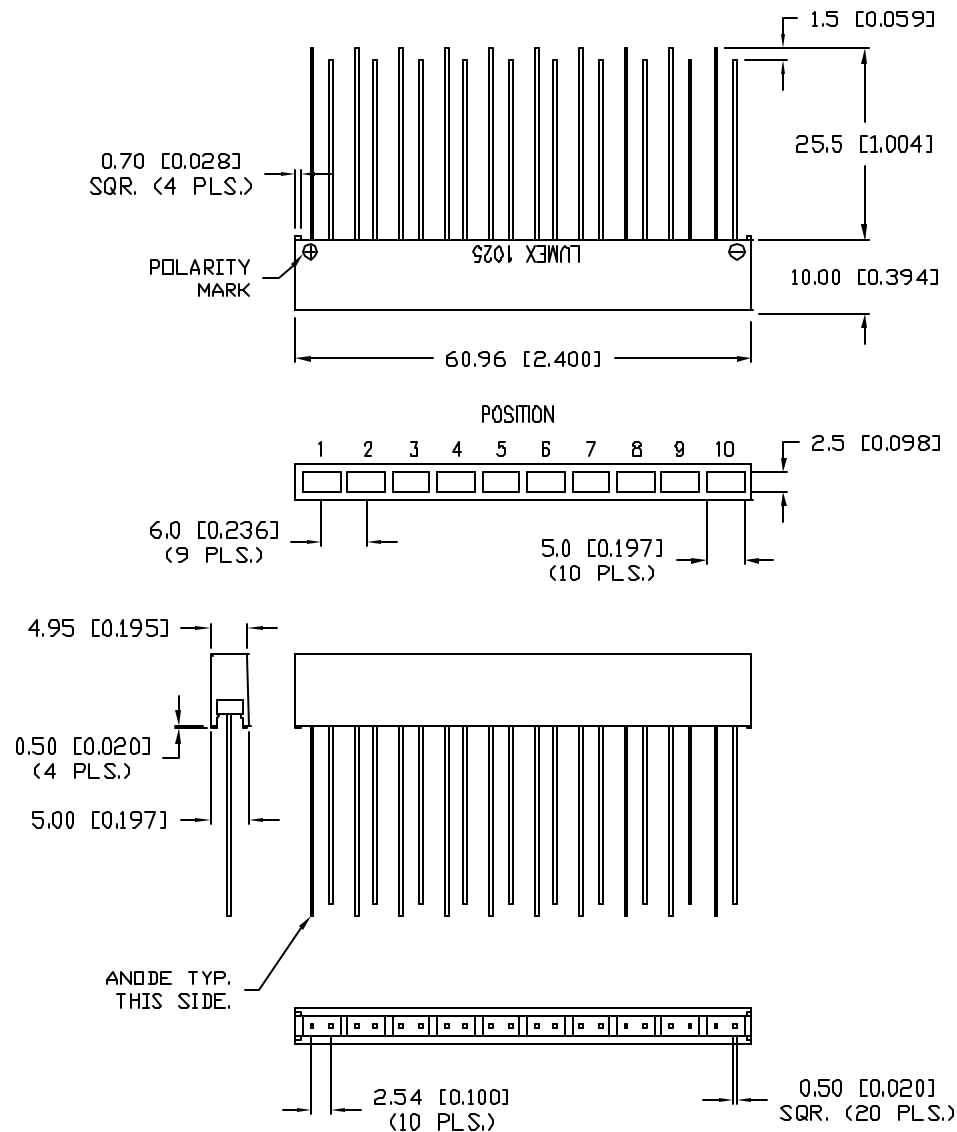


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER                                         | GREEN | YELLOW | RED | UNITS    | TEST COND            |
|---------------------------------------------------|-------|--------|-----|----------|----------------------|
| PEAK WAVELENGTH                                   | 565   | 585    | 635 | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.2   | 2.1    | 2.0 | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.6   | 2.5    | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0   | 5.0    | 5.0 | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 10    | 10     | 15  | msd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 110   | 110    | 110 | 2x theta |                      |
| LED POSITION:                                     | 1~8   | 9      | 10  |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |       |        |     |          |                      |

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

| PARAMETER                      | COLORS  | MAX        | UNITS                |
|--------------------------------|---------|------------|----------------------|
| PEAK FORWARD CURRENT*          |         | 150        | mA                   |
| STEADY CURRENT                 | (G/Y/R) | 25/30/30   | 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           |

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

## NOTES:

- SSH-LXH1025 HOLDER. MATERIAL: BLACK NYLON, UL V94-0.
- SSL-LX25583GD LED (8 PCS.). UNCUT LEADS.
- SSL-LX25583YD LED (1 PC). UNCUT LEADS.
- SSL-LX25583ID LED (1 PC). UNCUT LEADS.
- SORT LEDS FOR MATCHED INTENSITY PER. SPP 0202 (GREEN).

\*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), LEAD LENGTH=±0.75 (±0.030), MIN=+0.00 DECIMAL PRECISION MAX.= -0.00 DECIMAL PRECISION

REV.

PART NUMBER

SSA-LXH1025-44810

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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**  
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DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 3-13-00

10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LED,  
POS. 1~8: 565nm GREEN, POS. 9: 585nm YELLOW,  
POS. 10: 635nm RED, DIFFUSED PER COLOR, UNCUT LEADS.

KS/BC

PAGE: 1 OF 1

SCALE: N/A