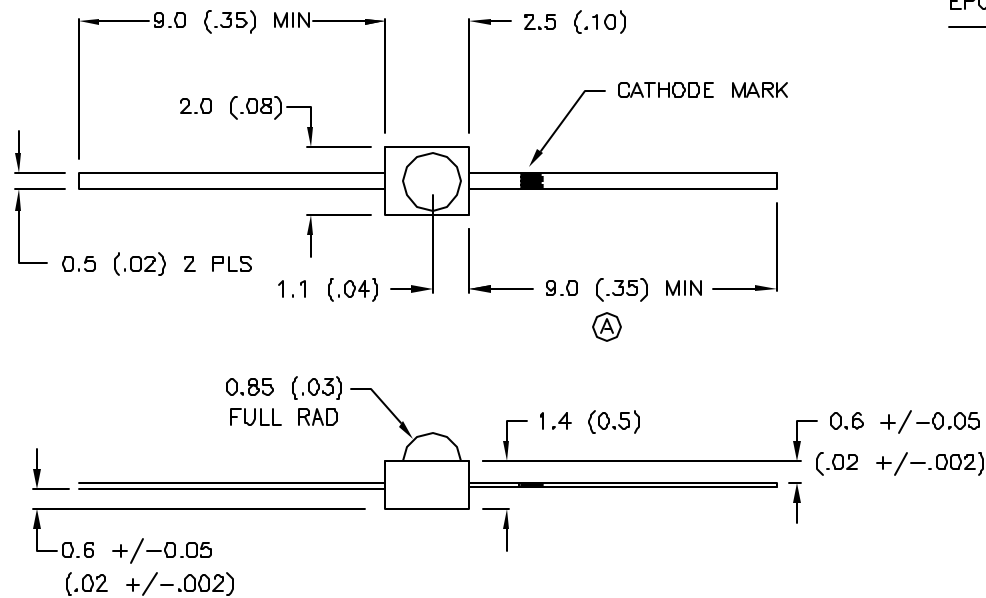


| DATE | REVISIONS | REV |
|---------|--|-----|
| 9-4-92 | REDRAWN/ CHG'D LEAD LENGTH FROM "10.0 MIN" TO "9.0 | A |
| 8-2-93 | CHG'D CATHODE MARK/ | B |
| 1-31-96 | E.C.N. #10113./ | C |

| | |
|--------------------------------|----------|
| DRAWING NUMBER SSL-LXA223YD | REV C |
|--------------------------------|----------|

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 | 2.8 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 6.0 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 120 | | 2x theta | |
| EMITTED COLOR | YELLOW | | | | |
| EPOXY LENS FINISH | YELLOW DIFFUSED | | | | |



LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP | -40 TO +85 | °C |
| LEAD SOLDERING TEMP | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

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
OPTO COMPONENTS INC.

292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790

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| | | | |
|--------------|------|--------|-------|
| DATE: 9-4-92 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

AXIAL LED, YELLOW DIFFUSED

| | | |
|-------------|--------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER SSL-LXA223YD | REV C |
|-------------|--------------------------------|----------|