

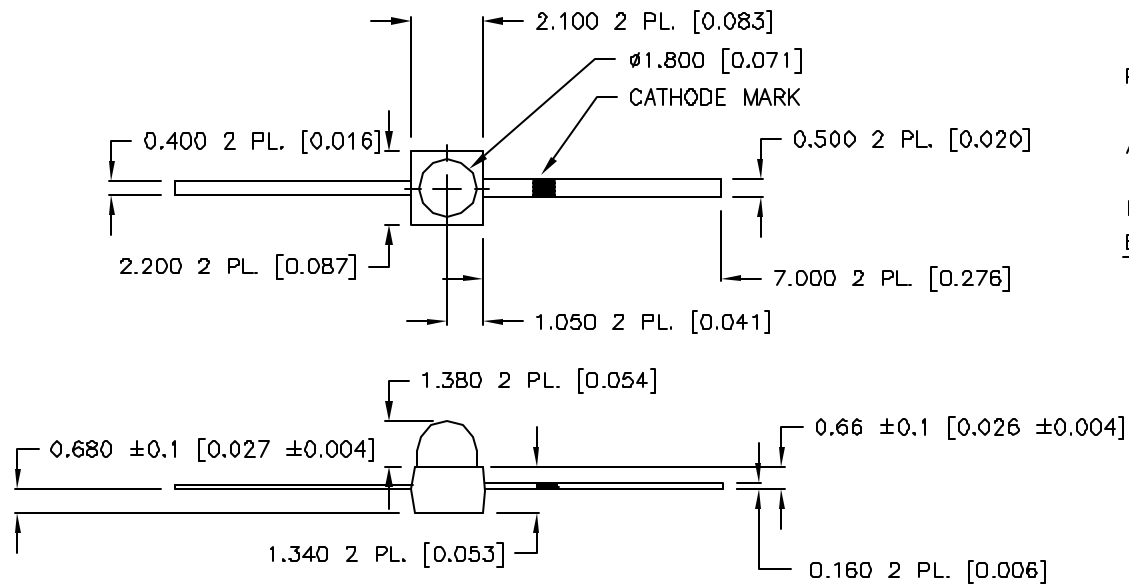
DATE

REVISIONS

REV

DRAWING NUMBER
SSL-LXA227YD-5V

REV

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I_f=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----------------|--------------|-----|----------------|-----------------------|
| PEAK WAVELENGTH | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE | | 5.0 | 7.0 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100uA |
| AXIAL INTENSITY | | 8 | | mcd | I _f =20mA |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPQXY LENS FINISH: | YELLOW DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25 DEG. C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT * | 160 | mA |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 85 | mW |
| DERATE FROM 25 °C | -1.2 | mW/ °C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| LEAD SOLDERING TEMP. | +280 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

* t<10uS

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

DATE: 7-12-95

APPROVED BY:

DRAWN BY:

SCALE: N/A

AXIAL LED, YELLOW DIFFUSED. WITH INTEGRAL 5V RESISTOR

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LXA223AK