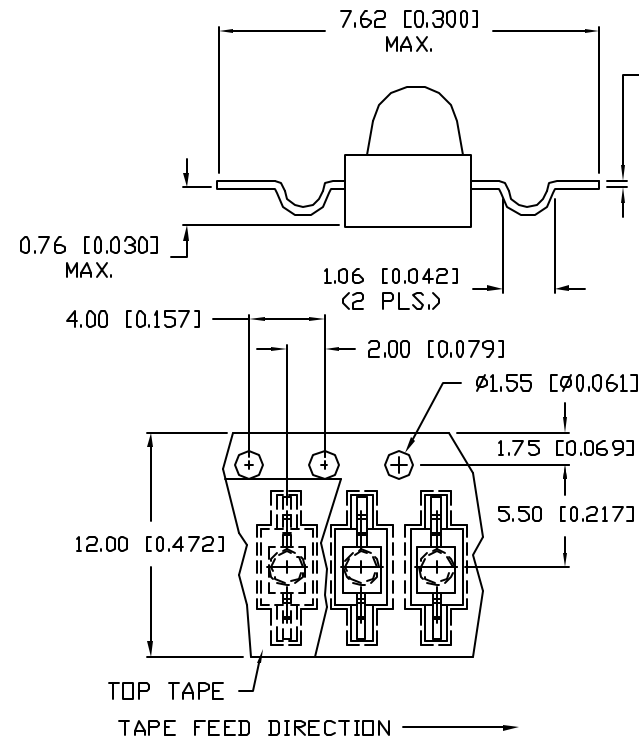
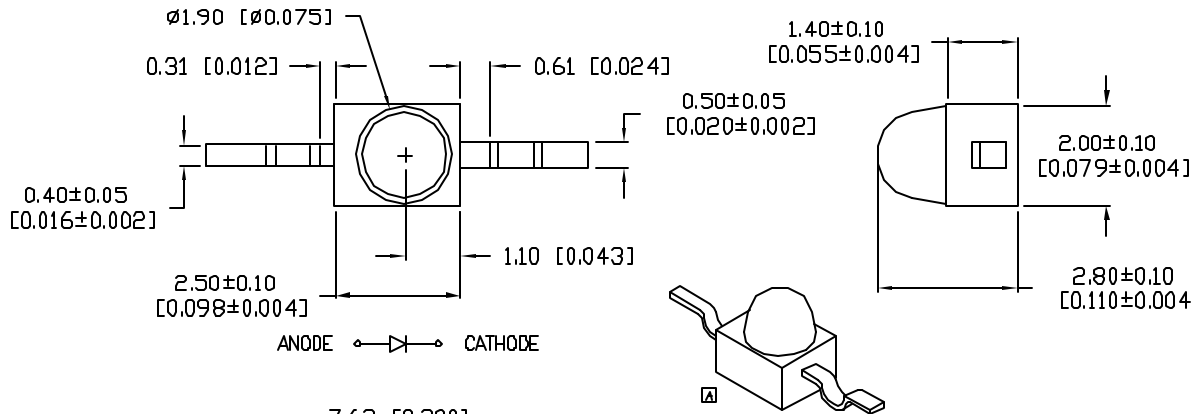


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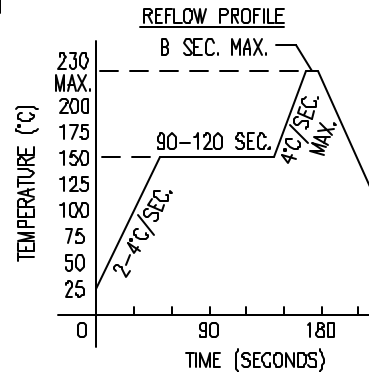
PART NUMBER
SSL-LXA228YD-TR21

REV.
A

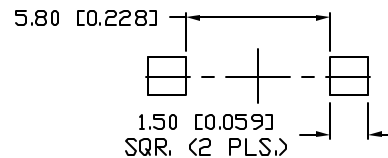
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|--------|
| A | E.C.N. #10695. | 1.5.01 |



0.15 ± 0.02
[0.006 ± 0.001]



RECOMMENDED SOLDER PAD LAYOUT



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 | | 2.0 | 2.8 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 50 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 12 | | $2x$ theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | YELLOW DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD CURRENT* | 160 | mA |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |

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

NOTES:

- 1,000 PIECES PER REEL
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.038), XX= ± 0.5 (± 0.020), XXX= ± 0.25 (± 0.010), XXXX= ± 0.127 (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030), MIN= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX.= $\frac{+0.00}{-DECIMAL PRECISION}$

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| REV. | PART NUMBER |
|------|-------------------|
| A | SSL-LXA228YD-TR21 |

585nm YELLOW AXIAL LEADED LED,
YOKE LEAD, COLOR DIFFUSED, TAPE AND REEL.

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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.



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| DRAWN BY: GT | CHECKED BY: | APPROVED BY: | DATE: 6.26.96 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |