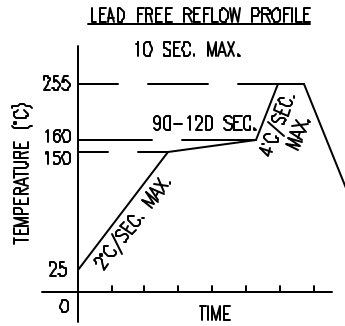
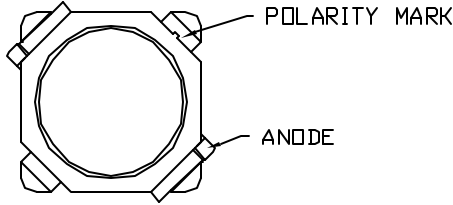
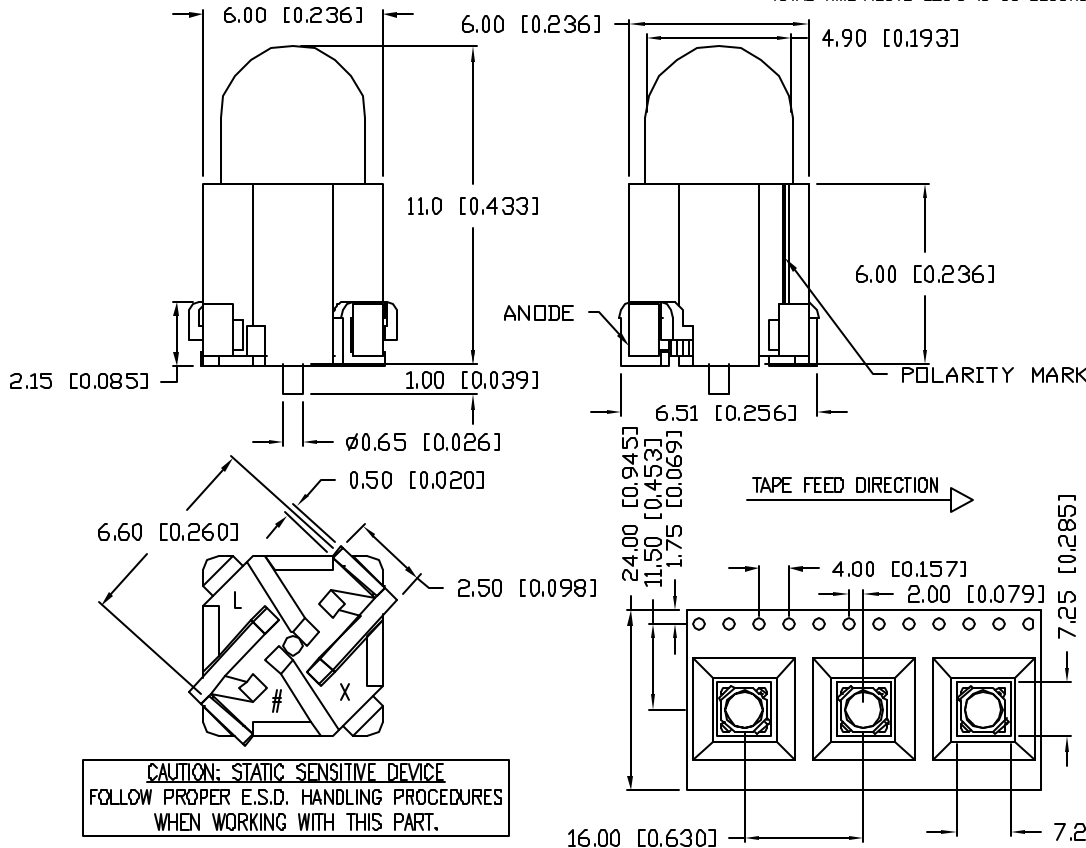


* PATENT PENDING



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



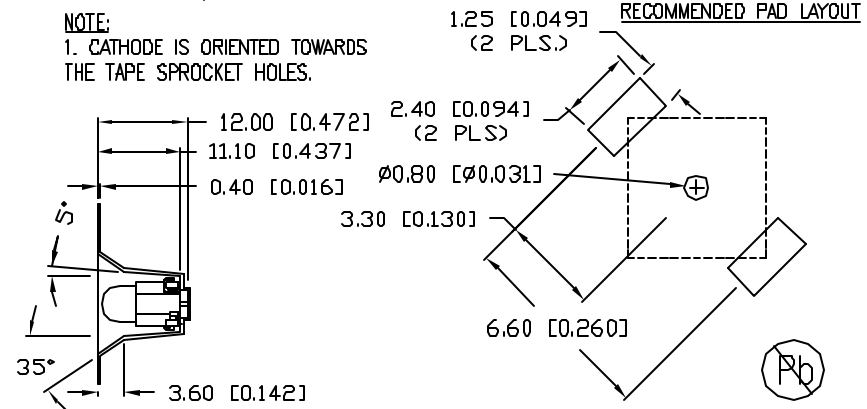
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

| | |
|------------------|------|
| PART NUMBER | REV. |
| SML-H1505UPGC-TR | |

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ | | $I_f=20\text{mA}$ | | | |
|--|-------------|-------------------|-----|------------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 520 | | nm | |
| FORWARD VOLTAGE | | 3.3 | 4.0 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 7000 | | mcad | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 45 | | $2x$ theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

| LIMITS OF SAFE OPERATION AT 25°C PER DIE | | |
|--|-------------|------------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 80 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -30 TO +80 | °C |
| STORAGE TEMP. | -40 TO +100 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 5 SEC. MAX |
| * $T < 10\mu\text{s}$ | | |

NOTE:
1. CATHODE IS ORIENTED TOWARDS
THE TAPE SPROCKET HOLES.



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

| | |
|---|------------------|
| REV. | PART NUMBER |
| | SML-H1505UPGC-TR |
| 5mm SURFACE MOUNTED DOME LED, 525nm ULTRA PURE GREEN LED, WATER CLEAR. | |

CONFIDENTIAL INFORMATION
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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 The World's Alternative In World For You | | 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw |
| DRAWN BY: JIN | CHECKED BY: | APPROVED BY: |
| | | DATE: 03.31.08 PAGE: 1 OF 1 SCALE: N/A |