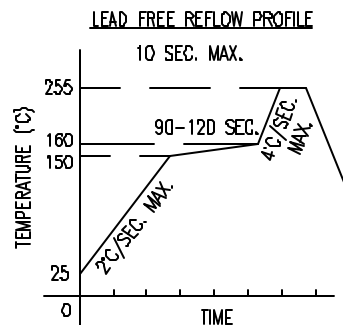
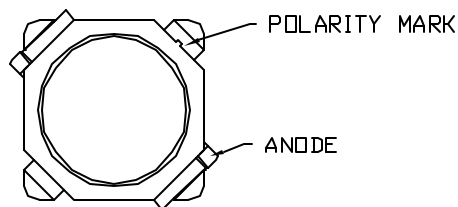
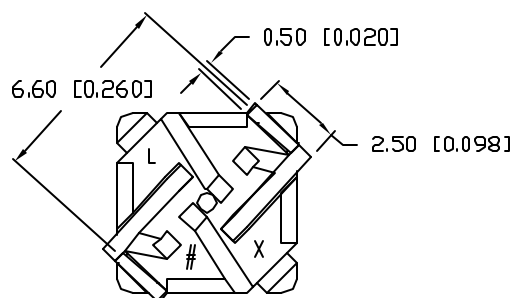
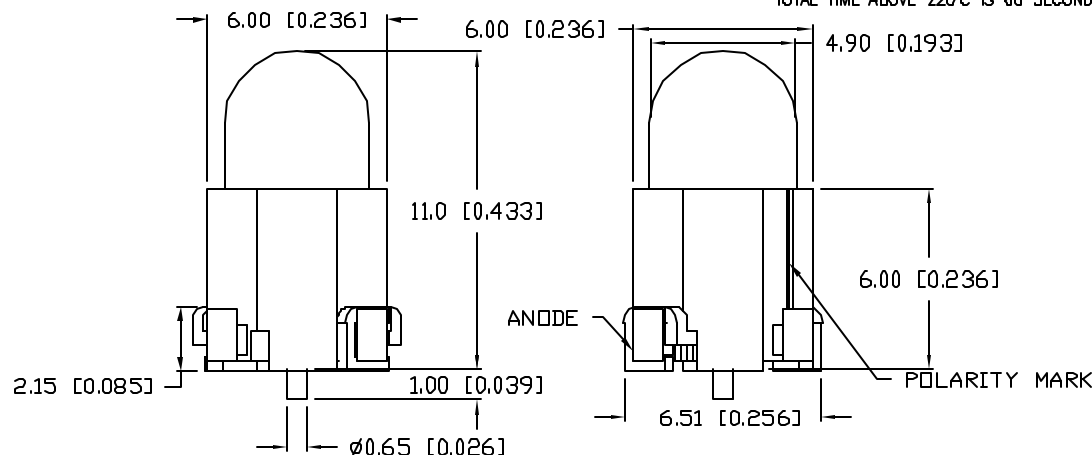


UNCONTROLLED DOCUMENT

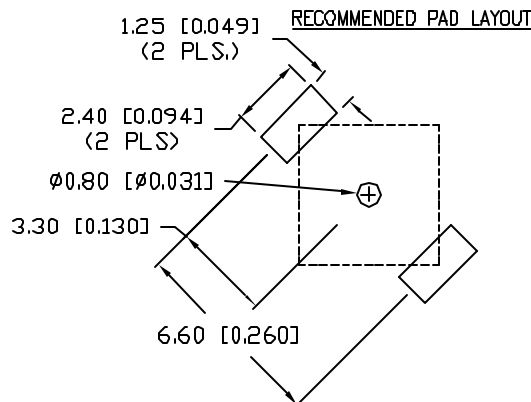
\* PATENT PENDING



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.



\*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

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SML-H1505UWC

REV.

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

| PARAMETER          | MIN         | TYP   | MAX    | UNITS    | TEST COND            |
|--------------------|-------------|-------|--------|----------|----------------------|
| FORWARD VOLTAGE    |             | 3.3   | 4.0    | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0         |       |        | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    | 7000        | 14000 |        | mcd      | $I_f=20\text{mA}$    |
| CHROMATICITY X     | 0.2020      | -     | 0.3622 |          |                      |
| COORDINATES(*1) Y  | 0.1530      | -     | 0.3939 |          | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 30    |        | 2x theta |                      |
| EMITTED COLOR:     | WHITE       |       |        |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |       |        |          |                      |

\*1. THE ICI STANDARD COLORIMETRIC SYSTEM.

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

| PARAMETER                      | MAX         | UNITS |
|--------------------------------|-------------|-------|
| PEAK FORWARD CURRENT*          | 100         | mA    |
| STEADY CURRENT                 | 20          | mA    |
| POWER DISSIPATION              | 80          | mW    |
| DERATE FROM $25^\circ\text{C}$ | -1.2        | mW/°C |
| OPERATING TEMP.                | -20 TO +80  | °C    |
| STORAGE TEMP.                  | -30 TO +100 | °C    |
| SOLDERING TEMP.                | +260        | °C    |
| 2.0mm FROM BODY                | 5 SEC. MAX  |       |

\*T<10μs

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REV.

PART NUMBER

SML-H1505UWC

5mm SURFACE MOUNTED DOME LED,  
ULTRA WHITE 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.



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PAGE: 1 OF 1

SCALE: N/A