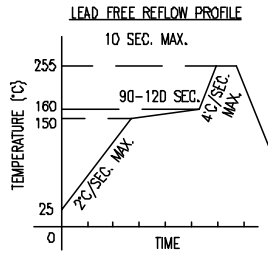
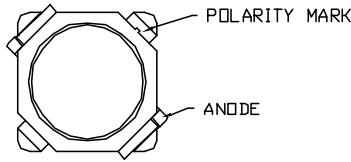
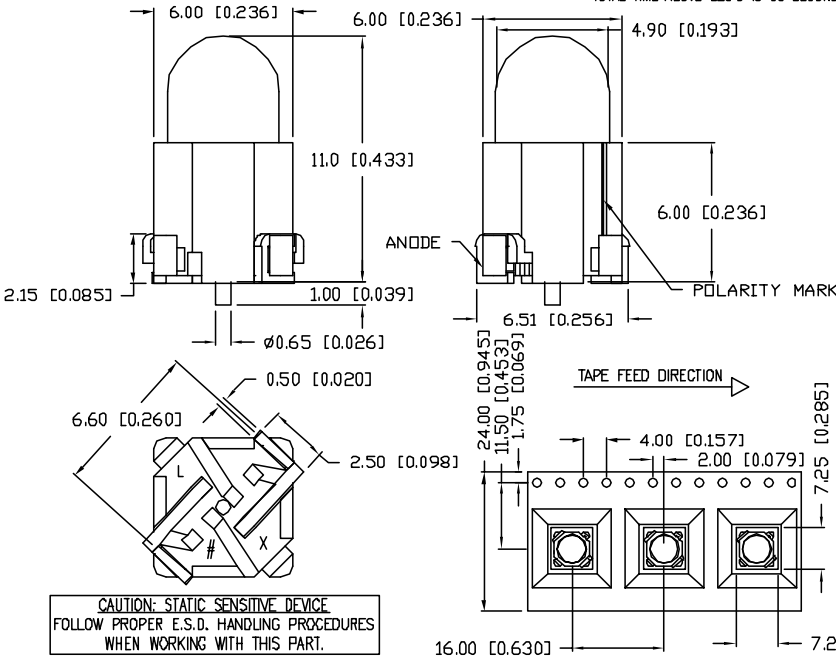


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* PATENT PENDING



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 (±0.025), 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}

PART NUMBER
SML-H1505UWW-TR

REV.

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

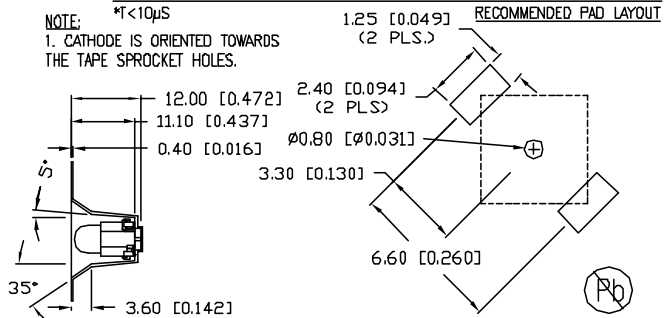
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE		3.4	3.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	1600	3000		mcd	$I_f=20\text{mA}$
CHROMATICITY X COORDINATES(*1) Y	0.2020 0.1530	-	0.3622 0.3939		
VIEWING ANGLE		40		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WHITE DIFFUSED				

*1. THE ICI STANDARD COLORMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°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

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



UNCONTROLLED DOCUMENT

REV.	PART NUMBER SML-H1505UWW-TR
5mm SURFACE MOUNTED DOME LED, ULTRA WHITE LED, WHITE DIFFUSED.	

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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: JN	CHECKED BY:	APPROVED BY:	DATE: 03.31.08 PAGE: 1 OF 1 SCALE: N/A
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