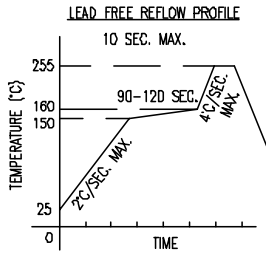
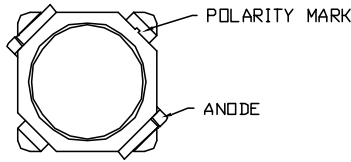
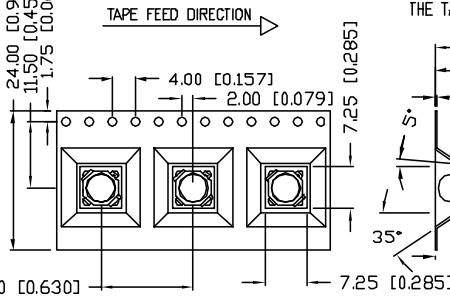
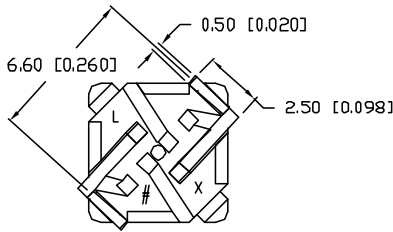
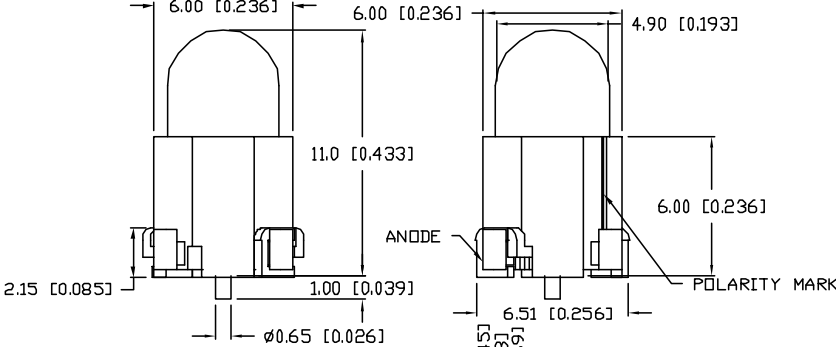


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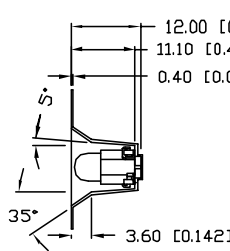
\* PATENT PENDING



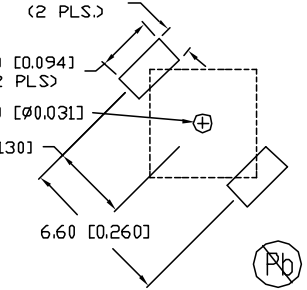
TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



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



RECOMMENDED PAD LAYOUT



UNCONTROLLED DOCUMENT

\*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=-0.000. MAX.=+0.000. DECIMAL PRECISION. DECIMAL PRECISION.

PART NUMBER  
SML-H1505SOD-TR

REV.

ELECTRO-OPTICAL CHARACTERISTICS T <sub>A</sub> =25°C I <sub>f</sub> =20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.1	2.6	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100µA
AXIAL INTENSITY		1000		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		75		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	ORANGE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	90	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<10µS		

REV.	PART NUMBER SML-H1505SOD-TR
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5mm SURFACE MOUNTED DOME LED,  
610nm SUPER ORANGE LED, ORANGE DIFFUSED.

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.

DRAWN BY: JN	CHECKED BY:	APPROVED BY:	DATE: 03.12.08 PAGE: 1 OF 1 SCALE: N/A
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