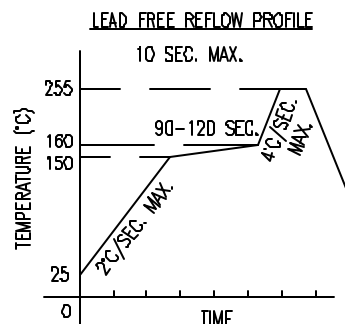
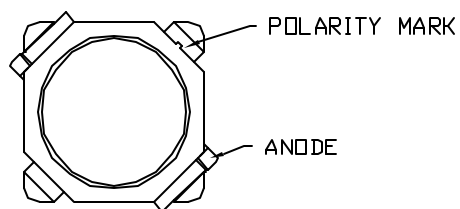
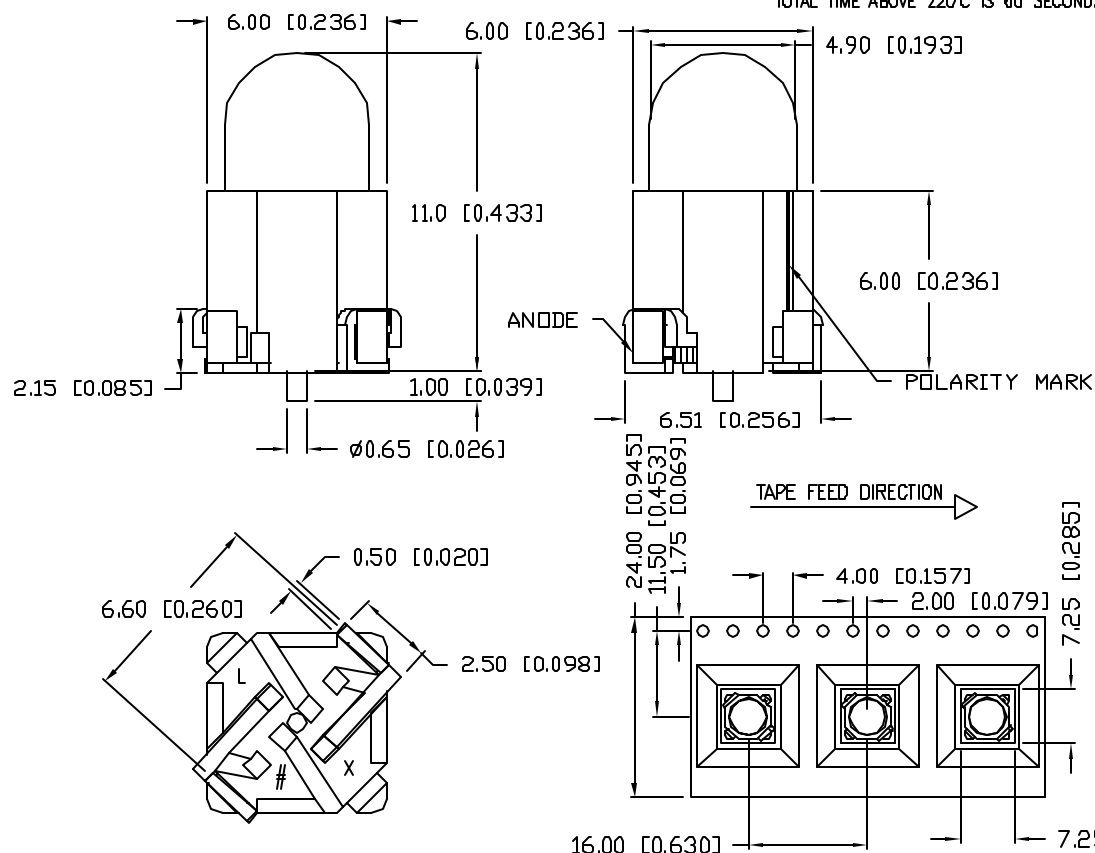


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* PATENT PENDING



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



*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-H1505SUGD-TR

REV.

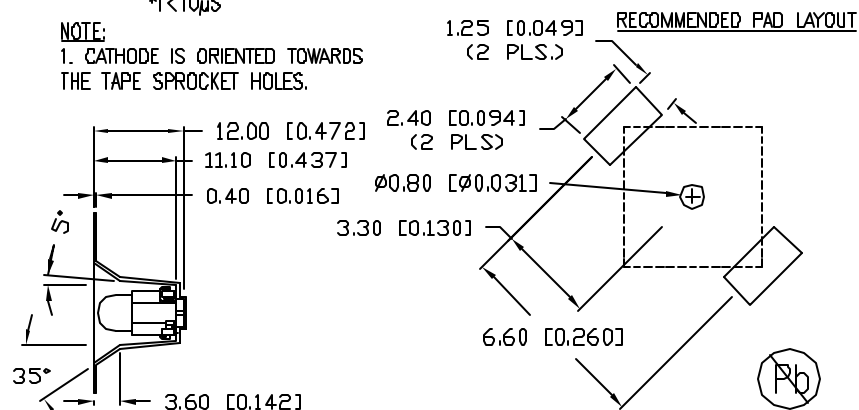
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		575		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		200		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		75		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN 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	
* $T < 10\mu\text{s}$		

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



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5mm SURFACE MOUNTED DOME LED,
575nm SUPER ULTRA GREEN LED, GREEN 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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