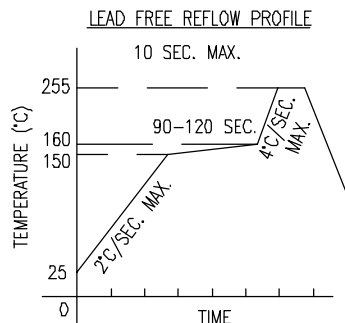
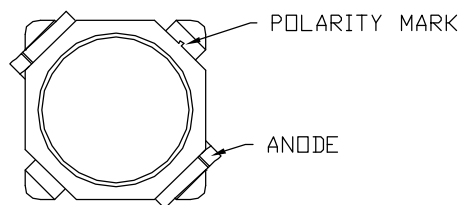
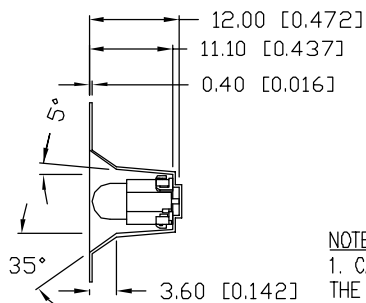
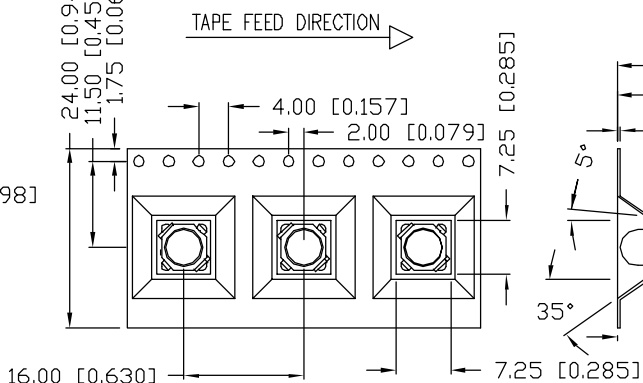
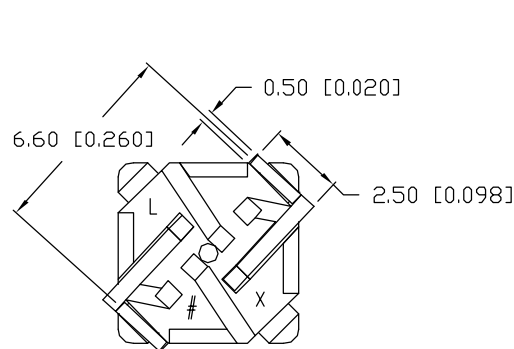
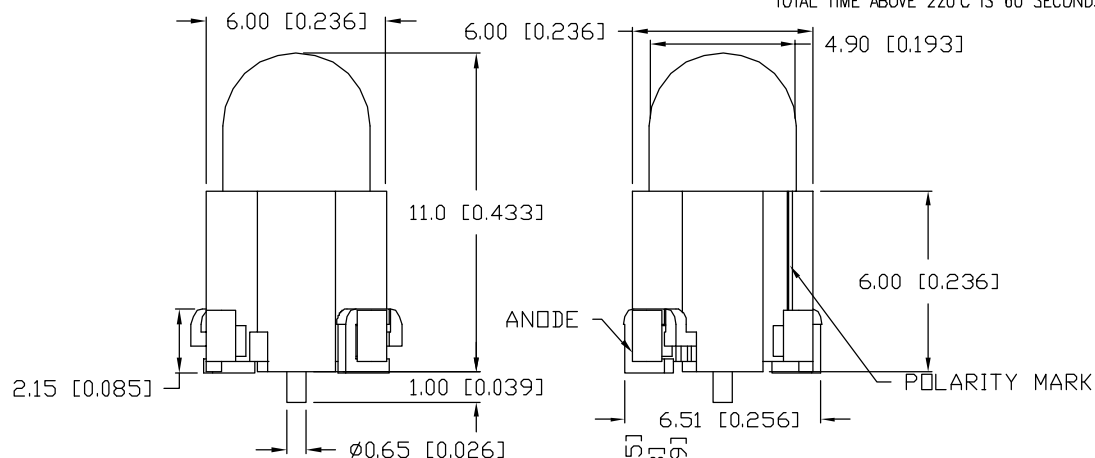


UNCONTROLLED DOCUMENT

* PATENT PENDING



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

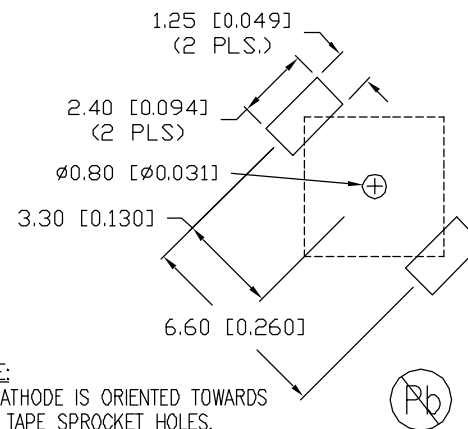


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		660		nm
FORWARD VOLTAGE		2.0	2.5	V_f
REVERSE VOLTAGE	5.0			V_r $I_r=100\mu\text{A}$
AXIAL INTENSITY		250		mcd $I_f=20\text{mA}$
VIEWING ANGLE		55		2x theta
EMITTED COLOR:	RED			
EPOXY LENS FINISH:	WATER CLEAR			

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

* $T_c < 10\mu\text{S}$

RECOMMENDED PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-H1505SRC-TR

5mm SURFACE MOUNTED DOME LED,
660nm SUPER RED, WATER CLEAR.

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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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