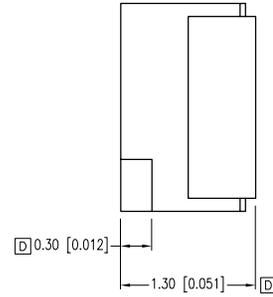
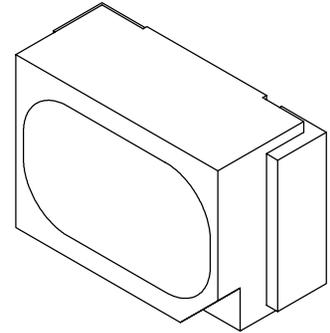
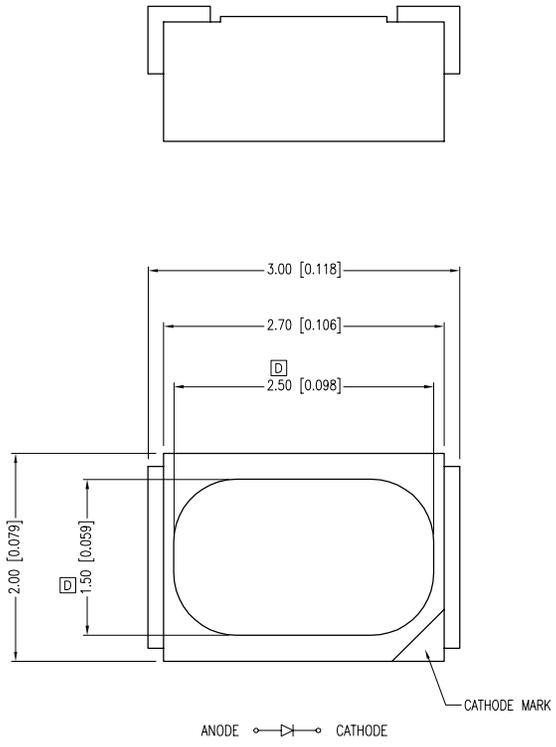


PART NUMBER	SML-LX23UWC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
8.7.02	E.C.N. #10898. & #10BRDR.		A
3.14.03	E.C.N. #10967.		B
2.8.05	E.C.N. #11148.		C
12.15.09	E.C.N. #11603.		D
03.28.11	E.C.N. #10BRDR & REDRAWN.		E



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	If=20mA
REVERSE VOLTAGE	5.0			Vr	If=10μA
AXIAL INTENSITY*		150		mcd	If=20mA
CHROMATICITY (X)		0.31			If=20mA
COORDINATES (Y)**		0.32			
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

\*AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.  
 \*\*THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I <sub>p</sub>	100*	mA
STEADY CURRENT	I <sub>F</sub>	30	mA
POWER DISSIPATION	P <sub>D</sub>	110	mW
OPERATING TEMP.	T <sub>OPR</sub>	-30 TO +80	°C
STORAGE TEMP.	P <sub>STG</sub>	-40 TO +100	°C

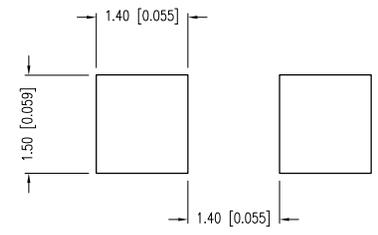
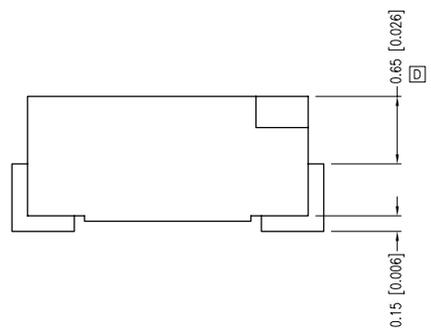
\*DUTY 1/10 PULSE WIDTH 10ms

NOTES:  
 1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

**CAUTION: MOISTURE SENSITIVE DEVICE**  
 PER JEDEC LEVEL 4 STANDARDS

**CAUTION: STATIC SENSITIVE DEVICE**  
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

RECOMMENDED SOLDER 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

**LUMEX**  
 Creating LED and LCD Solutions Together™

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2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 550nm WHITE LED, WATER CLEAR LENS.

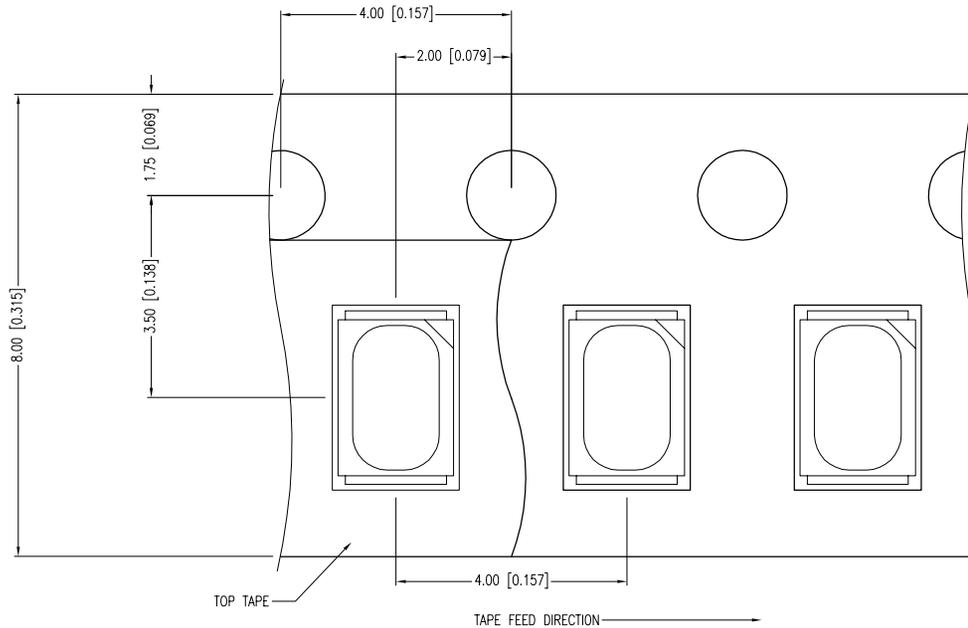
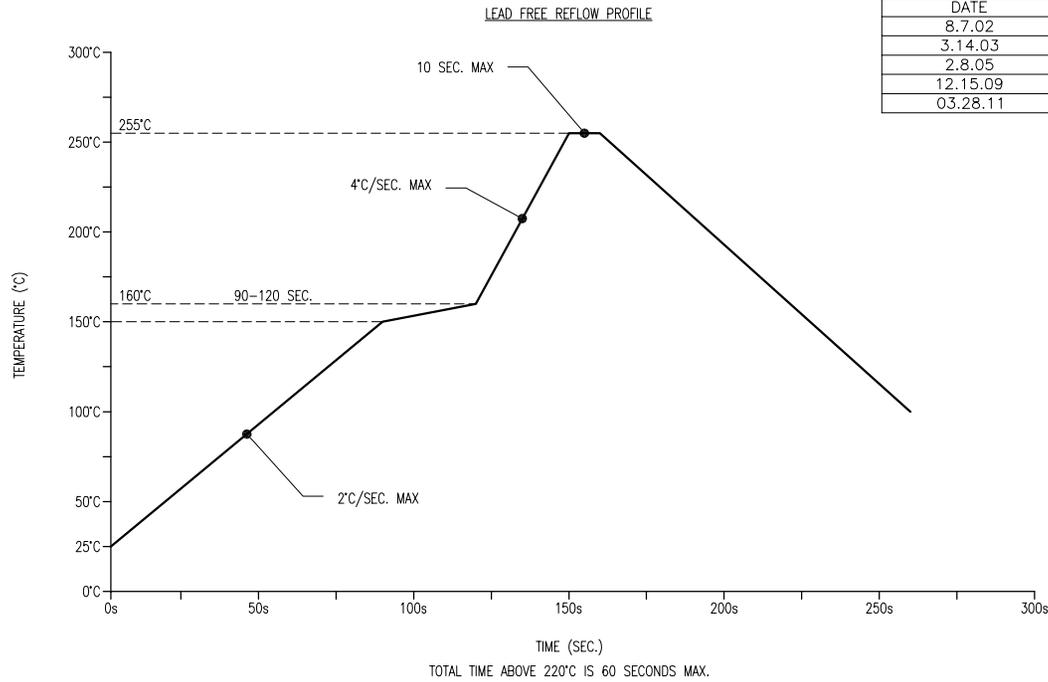
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