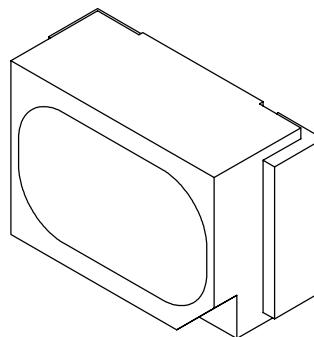
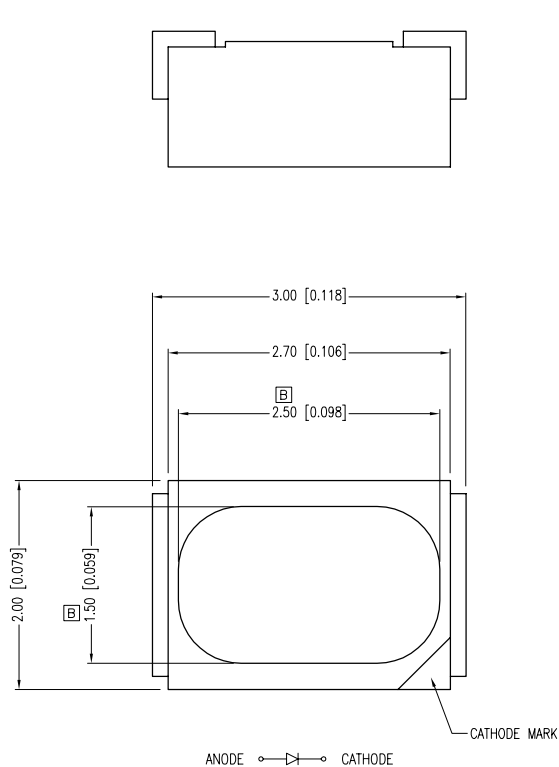


PART NUMBER	SML-LX23SUGC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.04.08	E.C.N. #11148.		A
12.15.09	E.C.N. #10603.		B
03.28.11	E.C.N. #10BRDR & REDRAWN.		C

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		80		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		90		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+240	$^\circ\text{C}$

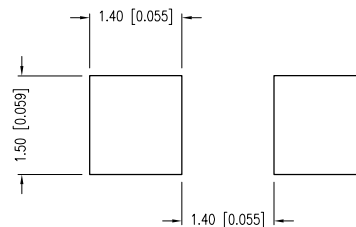
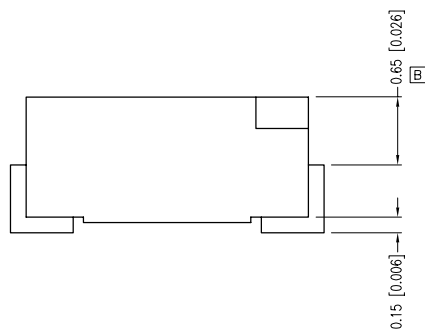
\*  $t < 10\mu\text{s}$ 

## NOTES:

- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 4 STANDARDS

## 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=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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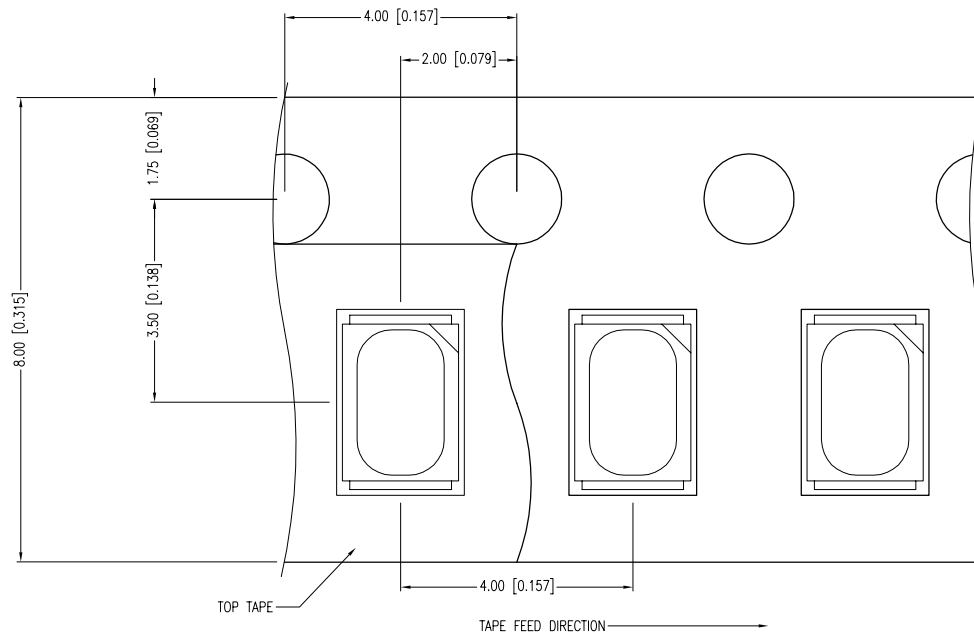
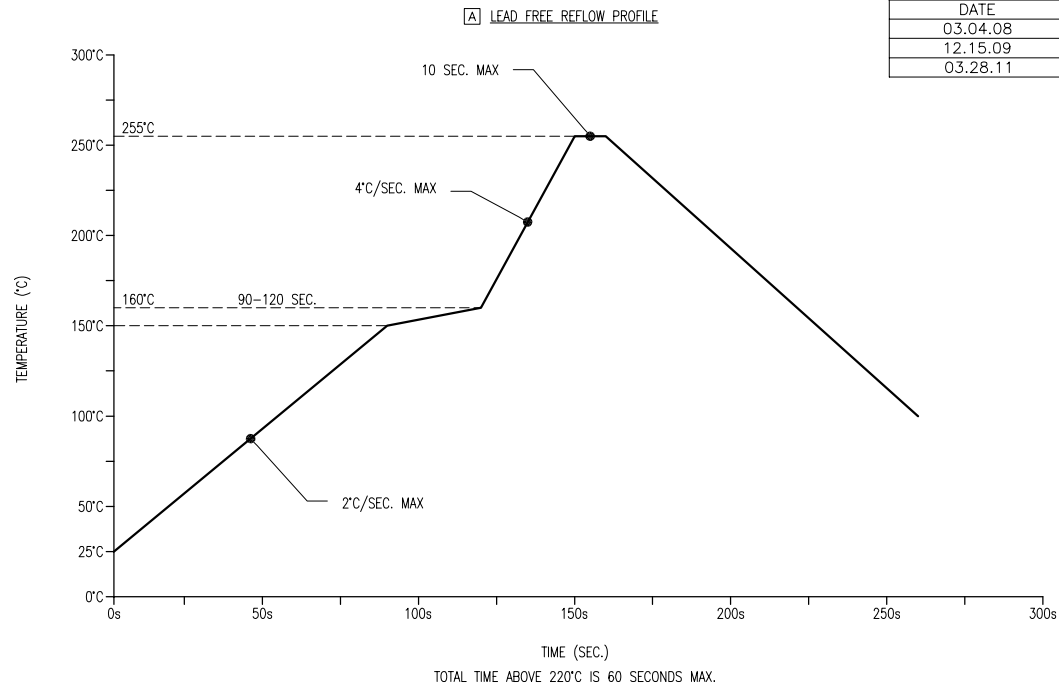
2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 574nm ULTRA GREEN LED, WATER CLEAR LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	03.28.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		

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