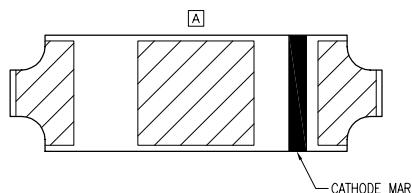
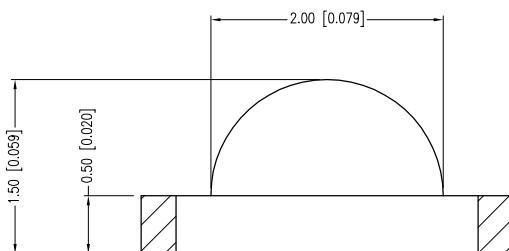
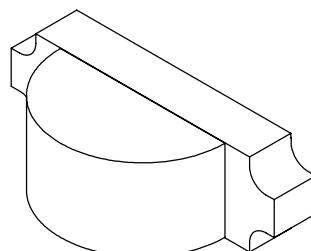
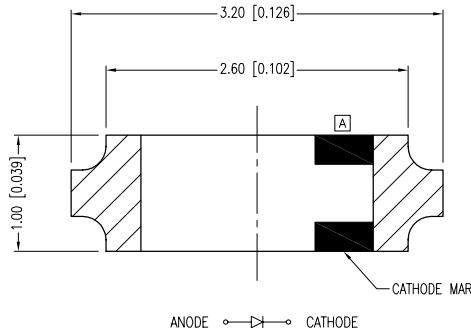


PART NUMBER	SML-LXR85SOC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
07.30.01	E.C.N. #10BRDR. / #10771.	A	
08.12.05	E.C.N. #11248.	B	
03.18.11	E.C.N. #10BRDR. & REDRAWN / #11704.	C	



ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C		If=20mA			
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		70		mcad	If=20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

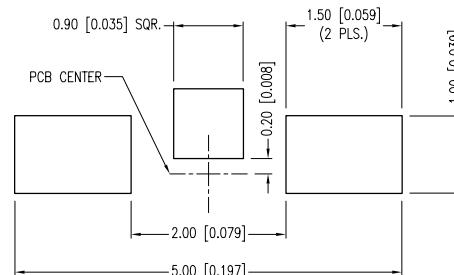
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* t<10µS

C CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

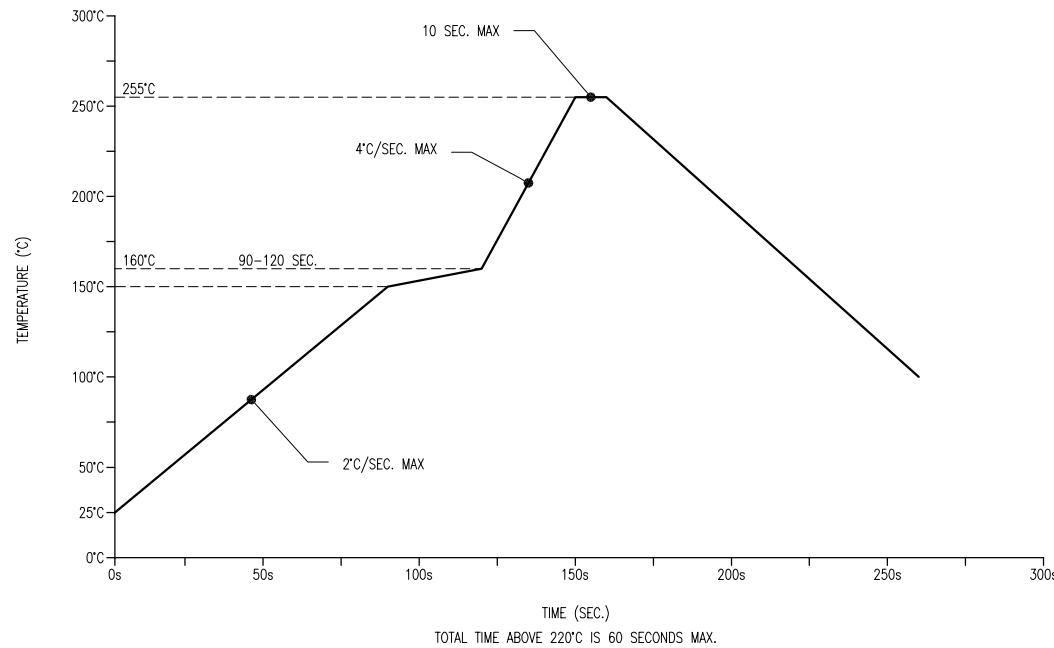
RECOMMENDED SOLDER PAD LAYOUT



*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 MAX= +0.00 DECIMAL PRECISION

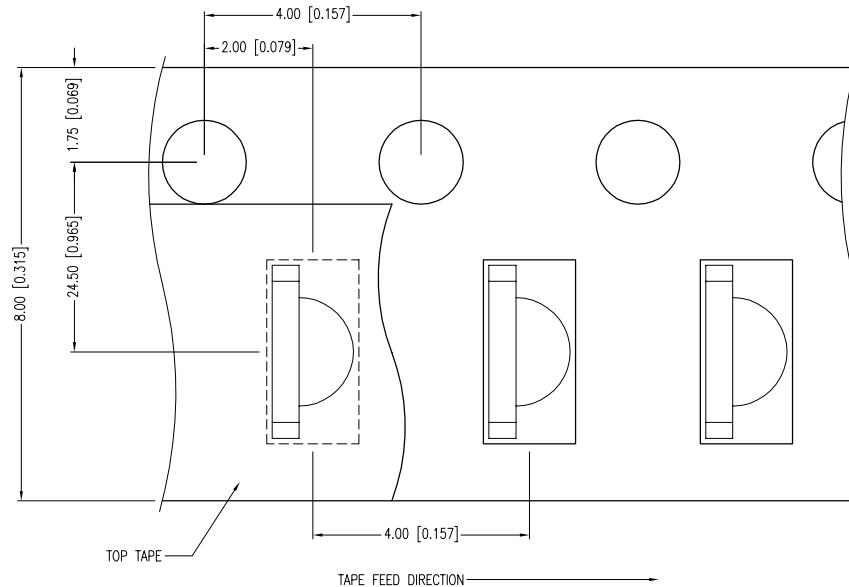
UNCONTROLLED DOCUMENT

B LEAD FREE REFLOW PROFILE



NOTES

1. 3,000 PIECES PER REEL.
2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X = \pm 1 (\pm 0.039)$, $X.X = \pm 0.5 (\pm 0.020)$, $X.XX = \pm 0.25 (\pm 0.010)$, $X.XXX = \pm 0.127 (\pm 0.005)$. LEAD SIZE = $\pm 0.05 (\pm 0.002)$, LEAD LENGTH = $\pm 0.75 (\pm 0.30)$. MIN = -0.00 +DECIMAL PRECISION MAX = $+0.00$ -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

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0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 610nm ORANGE, WATER CLEAR LENS, 3K PER REEL

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

CONFIDENTIAL INFORMATION

DATE: 03.18.11	DRAWN BY: AB
PAGE: 2 OF 2	CHKD BY: JD
SCALE: NTS	APRVD BY: JD
UNIT: mm [INCH]	(Pb)