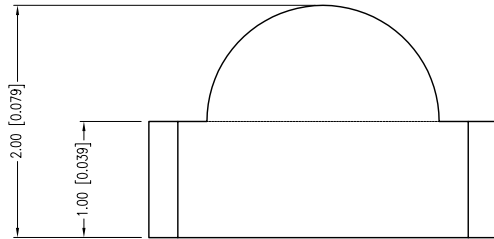
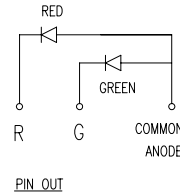
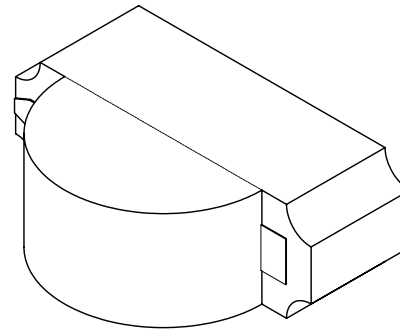
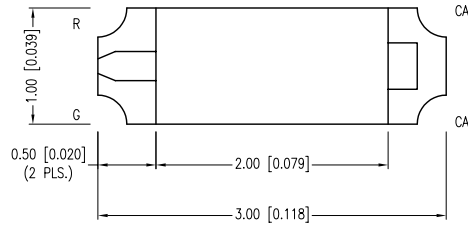


PART NUMBER	SML-LXR851SISUGCTR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
09.07.04	E.C.N. #10967.		A
10.03.08	E.C.N. #11148.		B
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		C



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G)		632/574		nm	
FORWARD VOLTAGE (R/G)		2.0/2.1	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY (R/G)		50/20		mcd	If=20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

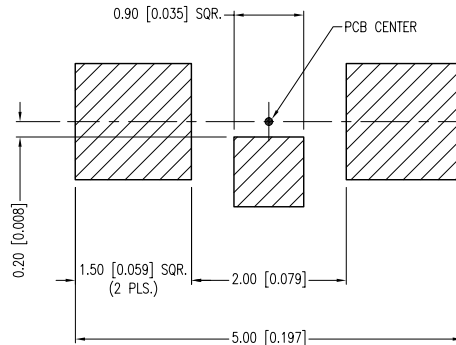
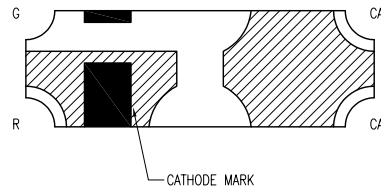
LIMITS OF SAFE OPERATION AT 25°C PER CHIP		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (R/G)	25/30	mA
POWER DISSIPATION (R/G)	60/100	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

* t<10µs

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 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



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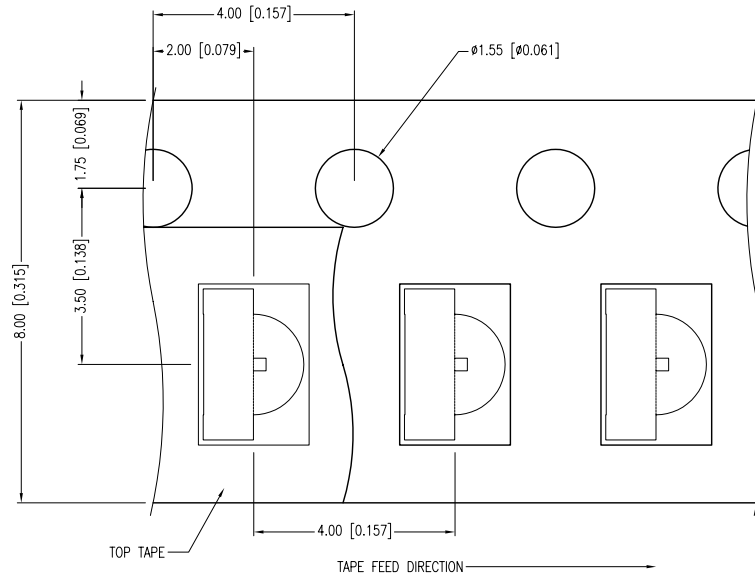
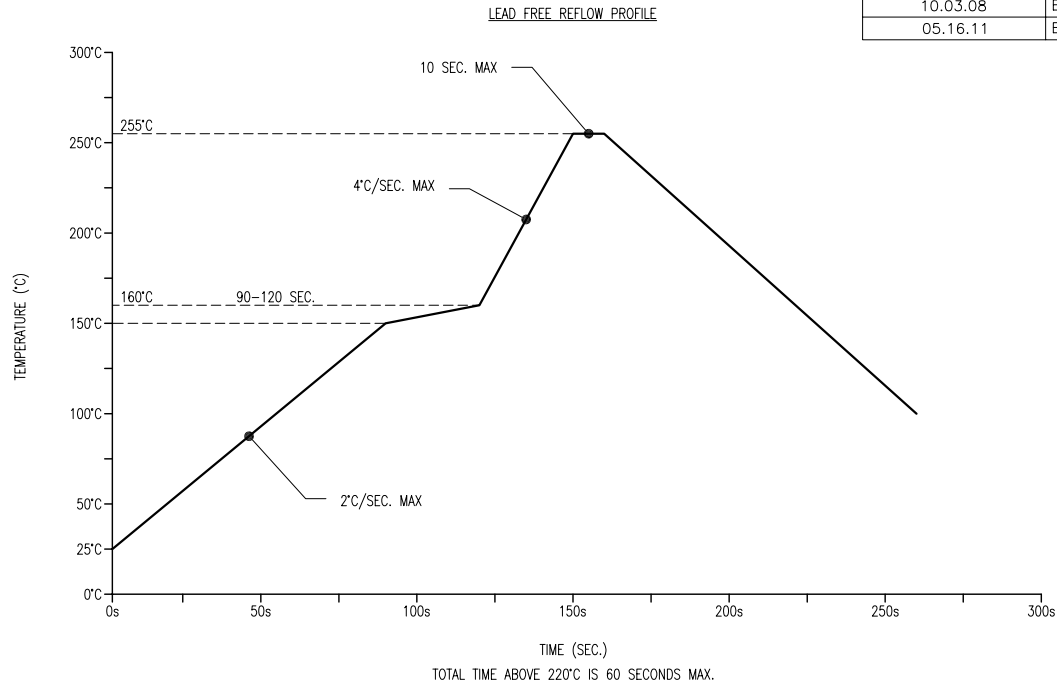
1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 632/574nm RED/GREEN, WATER CLEAR LENS, TAPE & REEL.

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

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DATE: 05.16.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	Ⓟ

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- NOTES:**
- 2,000 PER REEL.
 - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*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



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