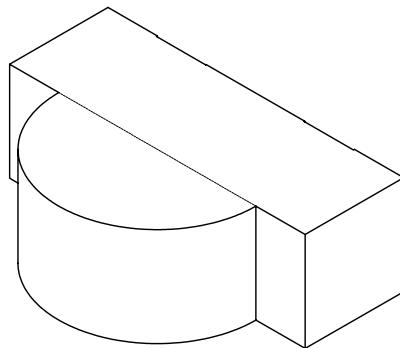
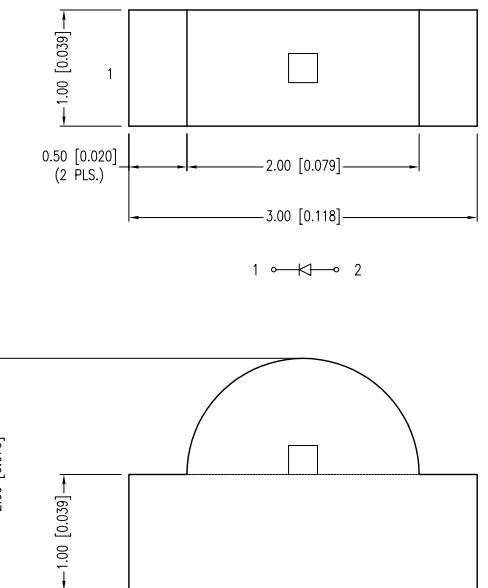


PART NUMBER	SML-LXR851USBC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
09.07.04	E.C.N. #10967.	A	
11.14.07	E.C.N. #11148.	B	
05.16.11	E.C.N. #11710/#11721/10BRDR. & REDRAWN.	C	



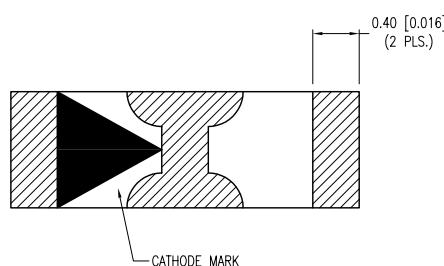
C ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH	468			nm	
FORWARD VOLTAGE	3.3		3.7	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY	50			mod	If=20mA
VIEWING ANGLE	120			2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

C LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	110	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

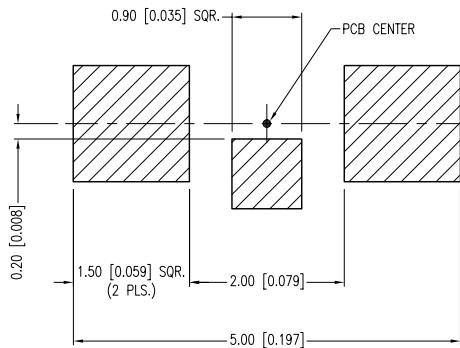
\* t&lt;10µS

**C A** 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= -0.00 MAX= +0.00

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

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FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 468nm SUPER BLUE LED, WATER CLEAR LENS, TAPE & REEL.

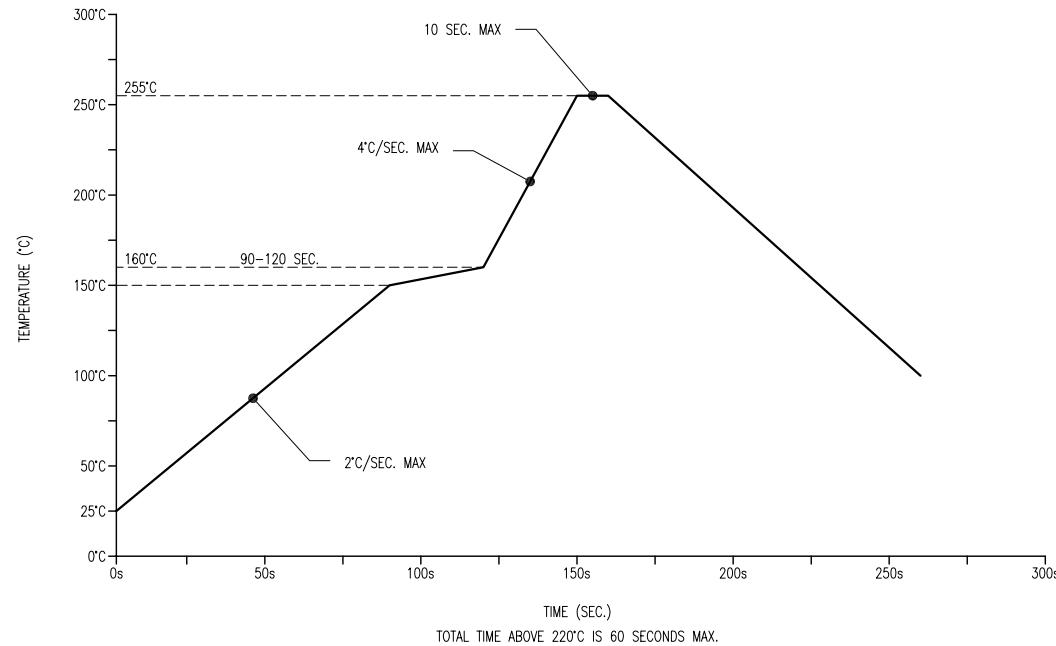
\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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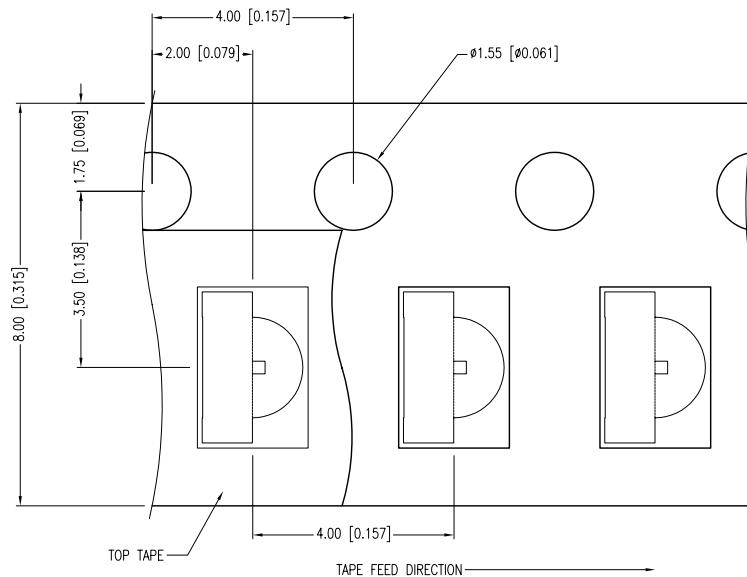
DATE: 05.16.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: BC
SCALE: NTS	APRVD BY: KF
UNIT: mm [INCH]	NO

PART NUMBER	SML-LXR851USBC-TR	REV.	C
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## LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



## NOTES:

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

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