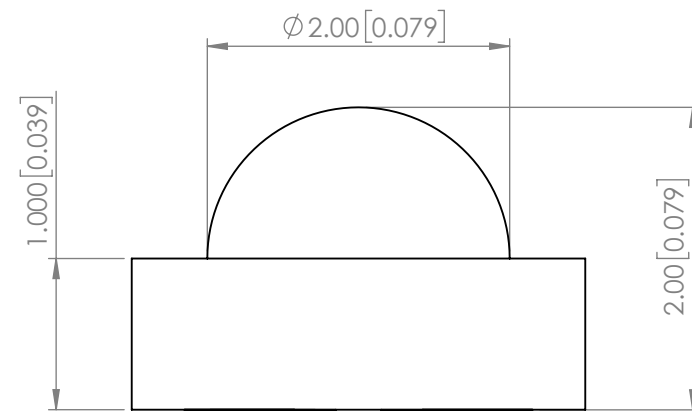
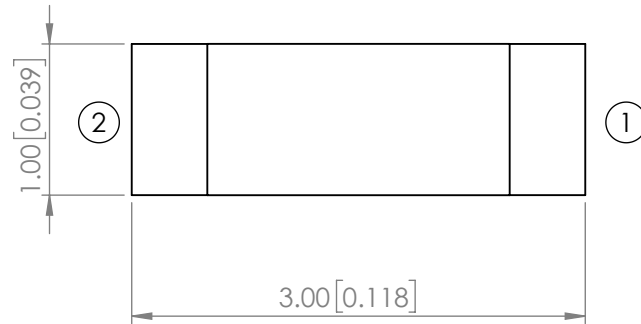
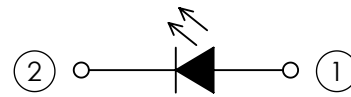


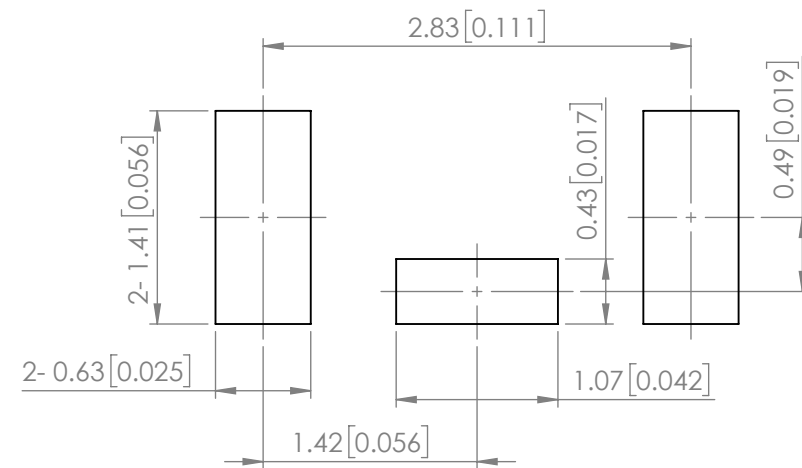
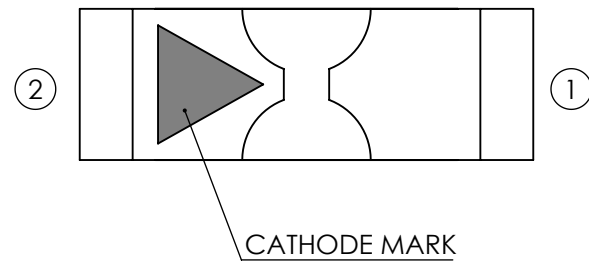
PART NUMBER	SML-LXR851USBC-TR	REV	D
REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #10967.	09.07.04	
B	E.C.N. #11148.	11.14.07	
C	E.C.N. #11710/#11721/10BRDR. & REDRAWN.	05.16.11	
D	ECN-Lumex201900146	12.20.19	



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	468	-	nm	If=20mA
FORWARD VOLTAGE	-	3.3	3.7	Vf	If=20mA
REVERSE CURRENT	-	-	50	uA	VR=5V
LUMINOUS INTENSITY	-	50	-	mcd	If=20mA
VIEWING ANGLE	-	120	-	2x theta1/2	-
EMITTED COLOR	BLUE				
EPOXY LENS FINISH	WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	100	mA
FORWARD CURRENT	20	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	74	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE	3 SEC. MAX @ 260	°C

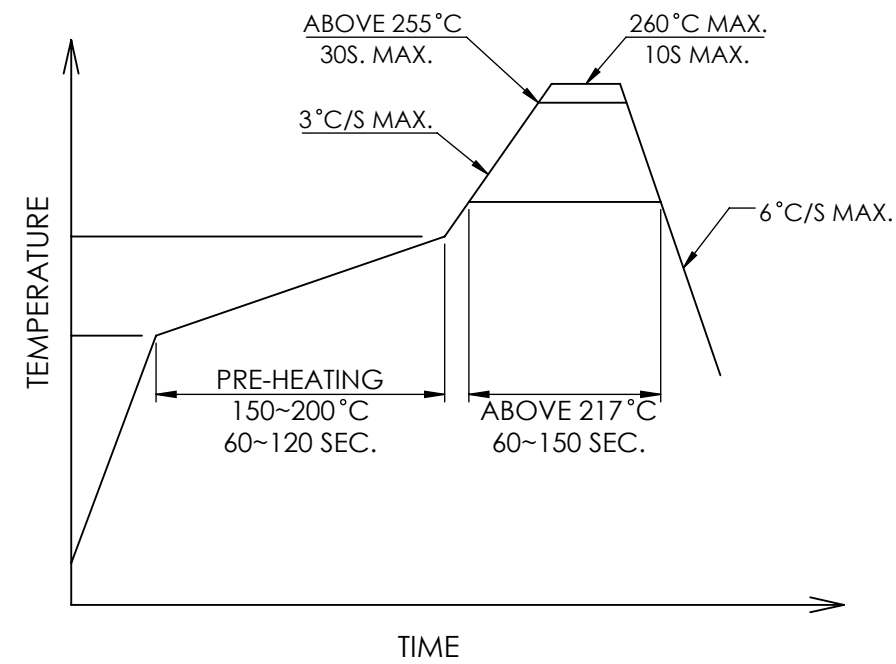
*t<10us

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

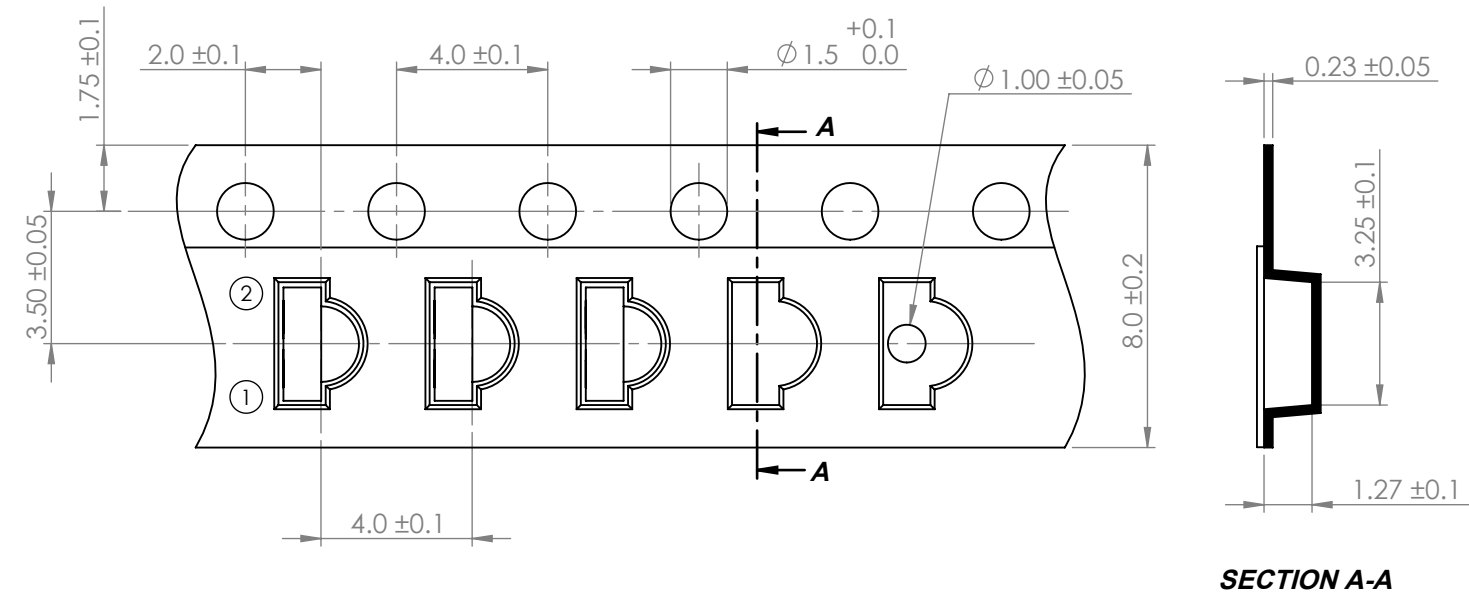
STATIC DEVICE FOLLOW PROPER
E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART

*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}/_{-0.00} MAX.= ^{+0.00}/_{-DECIMAL PRECISION}

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. 2000 PCS/REEL

*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= $\begin{matrix} +DECIMAL PRECISION \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -DECIMAL PRECISION \end{matrix}$



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FAX : 630-315-2150
WEB : WWW.LUMEX.COM

3.0(L)*1.0(W)*2.0(H)mm, PCB RIGHT ANGLE SURFACE MOUNT LED, 468nm InGaN SUPER BLUE LED, WATER CLEAR LENS, TAPE & REEL.

****THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.****

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DATE : 2019.12.20	DRAWN BY : C.S.
PAGE : 2 OF 2	CHKD BY : E.C.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	(No)