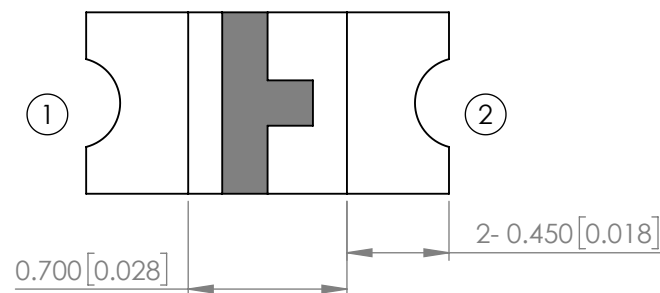
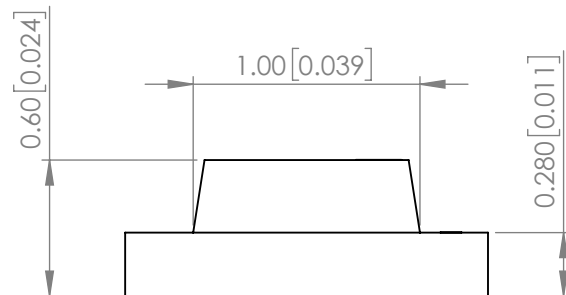
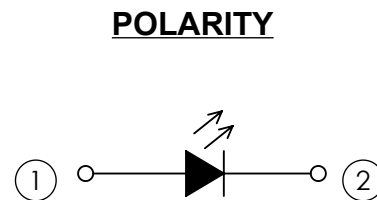
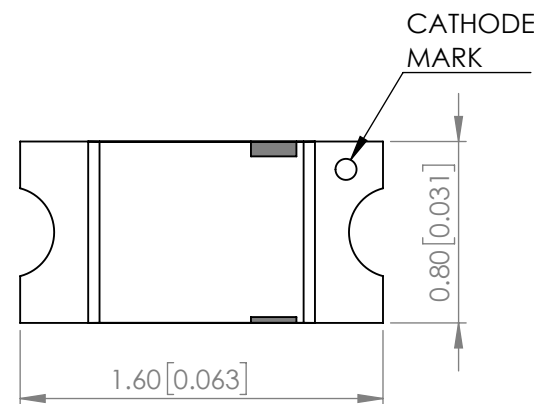
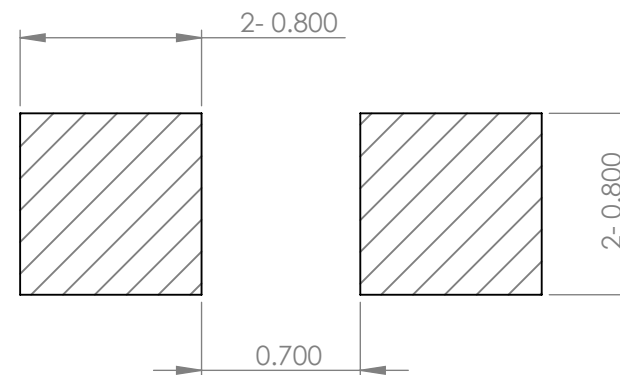


<b>PART NUMBER</b>	SML-LX0603SYW-TR	<b>REV</b>	H
<b>REV</b>	<b>E.C.N. NUMBER AND REVISION COMMENTS</b>	<b>DATE</b>	
A	E.C.N. #10BRDR. & REDRAWN.	09.30.98	
B	E.C.N. #10644.	07.18.00	
C	E.C.N. #10933.	13.03.02	
D	E.C.N. #10967.	03.14.03	
E	E.C.N. #11148.	12.06.04	
F	E.C.N. #11508.	05.27.08	
G	E.C.N. #10BRDR.	10.17.11	
H	ECN-Lumex201700132	12.25.17	
I	ECN-Lumex201900133	11.14.19	



**RECOMMENDED SOLDER PAD LAYOUT**



**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C**

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	590	-	nm	If=20mA
FORWARD VOLTAGE	-	2.0	2.4	Vf	If=20mA
REVERSE CURRENT	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	71	-	mcd	If=20mA
VIEWING ANGLE	-	128	-	2x theta1/2	-
EMITTED COLOR	YELLOW				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

**ABSOLUTE MAXIMUM RATINGS TA=25°C**

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	40	mA
FORWARD CURRENT	20	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	48	mW
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE	3 SEC. MAX @ 260	°C

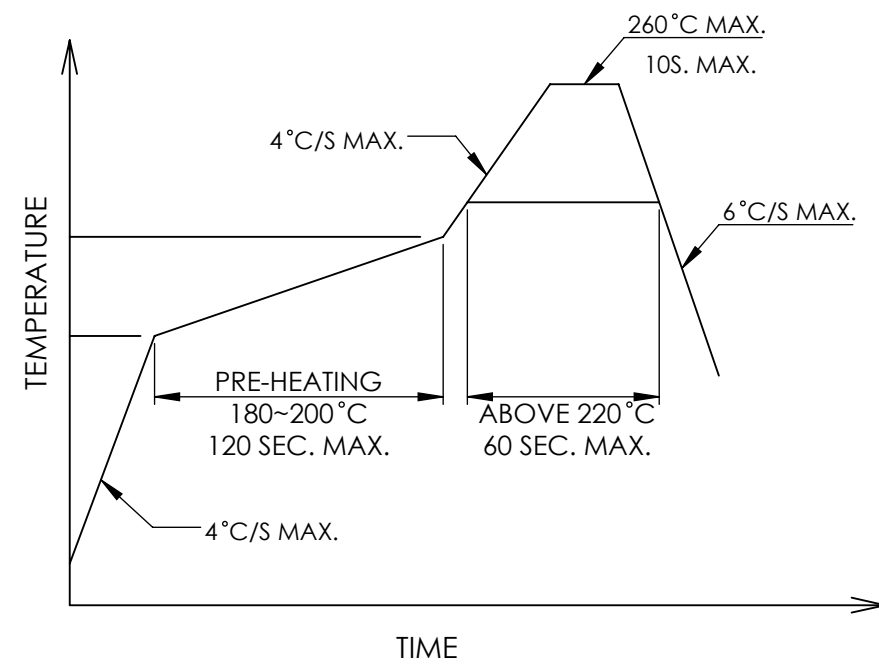
\*t<10us

MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2a STANDARDS

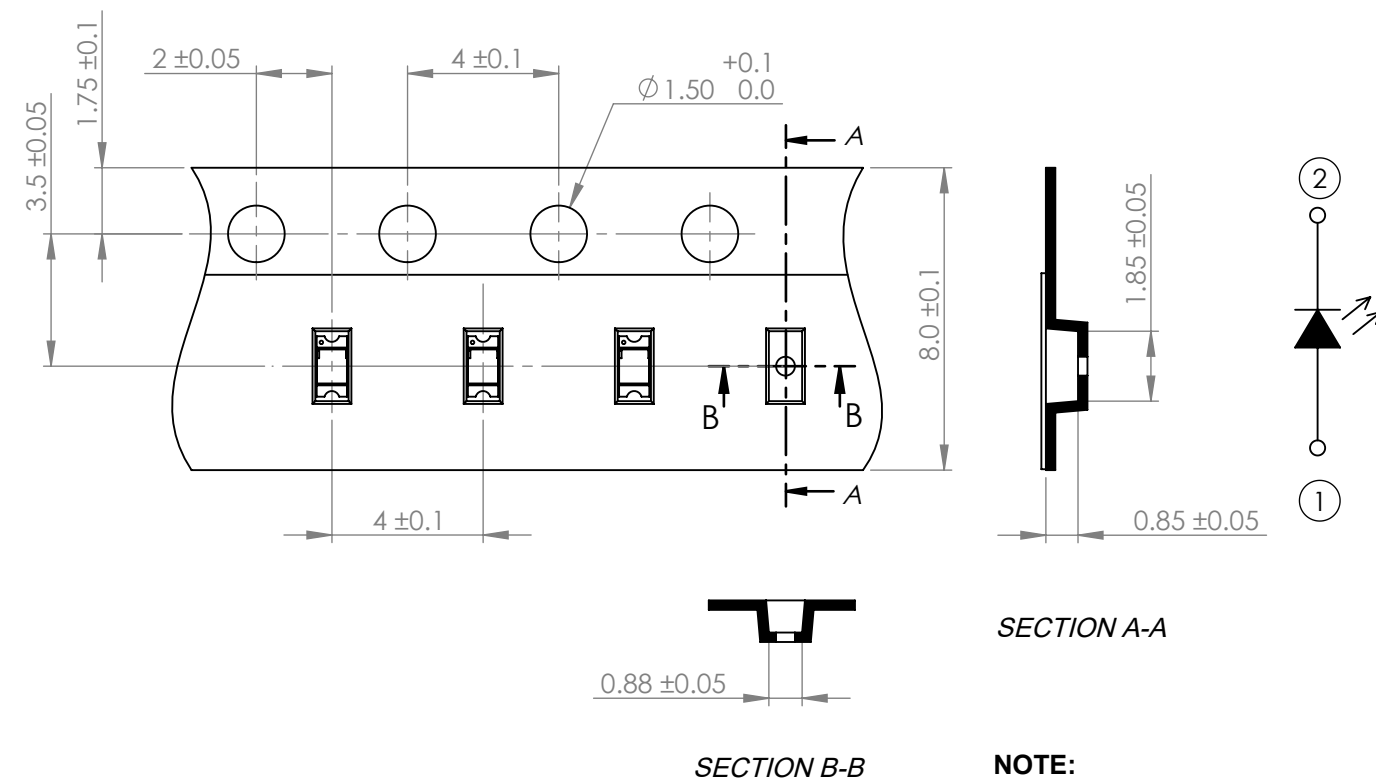
STATIC DEVICE FOLLOW PROPER  
E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART

\*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= <sup>+DECIMAL PRECISION</sup>/<sub>-0.00</sub> MAX= <sup>+0.00</sup>/<sub>-DECIMAL PRECISION</sub>

**PROFILE**




**CARRIER TAPE DIMENSION**



**NOTE:**  
1. PACKAGE: 4000 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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

 <p>425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM</p>	1.6(L)*0.8(W)*0.6(H)mm, PCB CHIP, SURFACE MOUNT TOP VIEW LED, 590nm AlInGaP YELLOW, MILKY WHITE DIFFUSED LENS, TAPE & REEL.	DATE : 2019.11.14	DRAWN BY : C.S.	
	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**	PAGE : 2 OF 2	CHKD BY : E.C.	
	CONFIDENTIAL INFORMATION	SCALE : NTF	APRVD BY : G.Y.	
	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	UNIT : mm [INCH]		

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