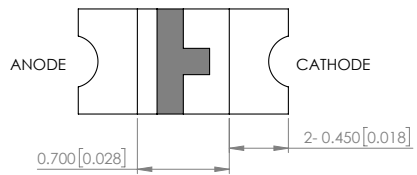
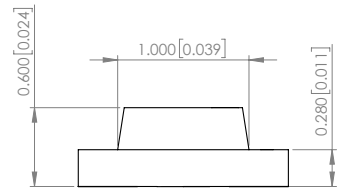
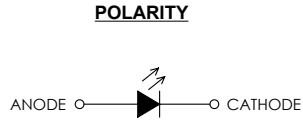
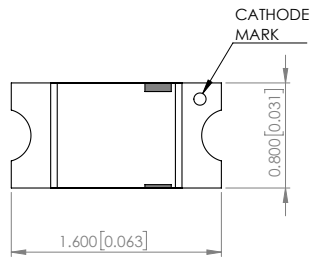
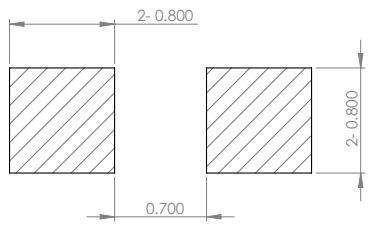


PART NUMBER		SML-LX0603SIW-TR	REV	F
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	E.C.N. #10933.			12.03.02
B	E.C.N. #10967.			03.14.03
C	E.C.N. #11148.			12.06.04
D	E.C.N. #11508.			03.05.09
E	E.C.N. #10BRDR. & REDRAWN.			10.17.11
F	ECN-Lumex201700108			11.10.17



**RECOMMENDED SOLDER PAD LAYOUT**



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	632	-	nm	If=20mA
FORWARD VOLTAGE	-	2.0	2.4	Vf	If=20mA
REVERSE CURRENT	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	71.5	-	mcd	If=20mA
VIEWING ANGLE	-	128	-	2x theta1/2	-
EMITTED COLOR	RED				
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  
 \*\*2.0mm FROM BODY.

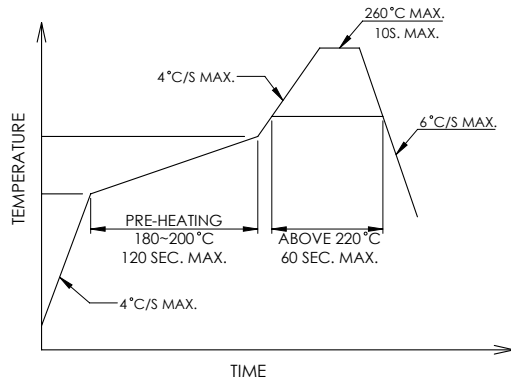
**NOTE:**  
 1. RoHS COMPLIANT.  
 2. COMPLIANCE WITH EU REACH.  
 3. COMPLIANCE Halogen Free .  
 (Br <900 ppm , Cl <900 ppm , Br+Cl < 1500 ppm)

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

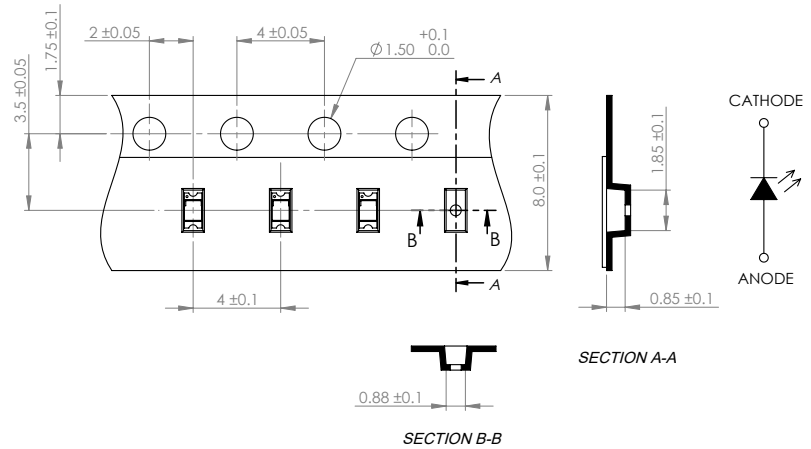
MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2a STANDARDS



PROFILE



CARRIER TAPE DIMENSION



\*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>



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CAROL STREAM, IL 60188  
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FAX : 630-315-2150  
WEB : WWW.LUMEX.COM

1.6(L)\*0.8(W)\*0.6(H)mm, PCB CHIP, SURFACE MOUNT TOP VIEW LED, 632nm AlInGaP RED, MILKY WHITE DIFFUSED LENS, TAPE & REEL.  
\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*  
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DATE : 2017.11.10	DRAWN BY : C.C.
PAGE : 2 OF 2	CHKD BY : G.Y.
SCALE : NTF	APRVD BY : E.C.
UNIT : mm [INCH]	

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