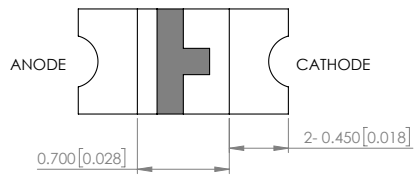
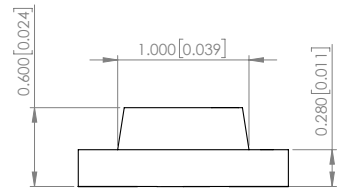
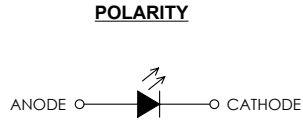
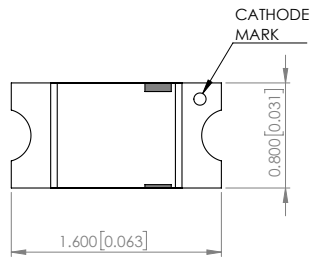
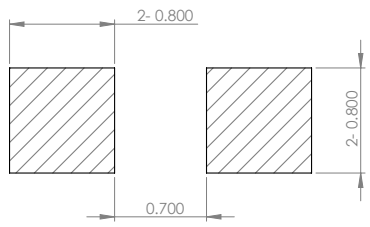


PART NUMBER		SML-LX0603SIW-TR	REV	F
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	E.C.N. #10933.			12.03.02
B	E.C.N. #10967.			03.14.03
C	E.C.N. #11148.			12.06.04
D	E.C.N. #11508.			03.05.09
E	E.C.N. #10BRDR. & REDRAWN.			10.17.11
F	ECN-Lumex201700108			11.10.17



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

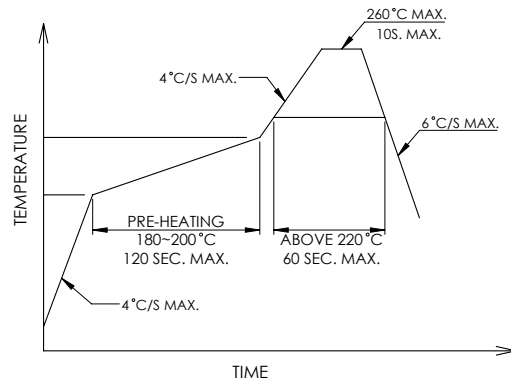
*t<10us
 **2.0mm FROM BODY.

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

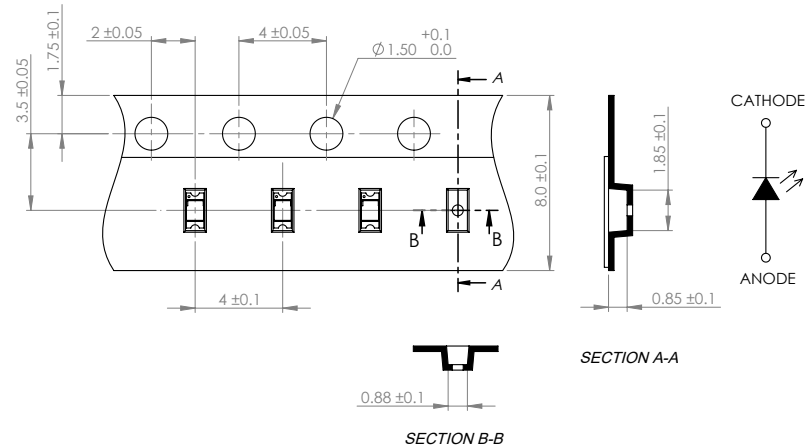
STATIC DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART

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= $\begin{matrix} \text{DECIMAL PRECISION} \\ 0.00 \end{matrix}$ MAX= $\begin{matrix} \text{DECIMAL PRECISION} \\ 0.00 \end{matrix}$

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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]

Ⓢ

Mouser Electronics

Authorized Distributor

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