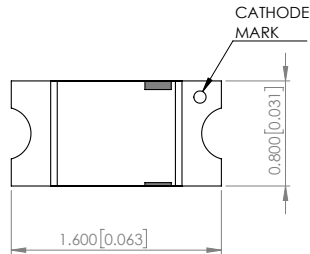
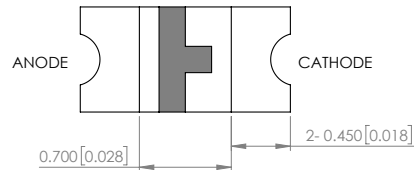
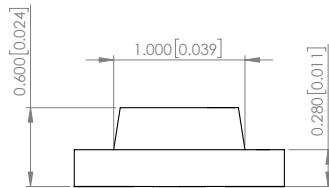
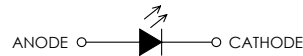


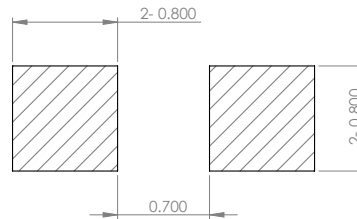
PART NUMBER		SML-LX0603SIW-TR	REV	F
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	E.C.N. #10933.			12.03.02
B	E.C.N. #10967.			03.14.03
C	E.C.N. #11148.			12.06.04
D	E.C.N. #11508.			03.05.09
E	E.C.N. #10BRDR. & REDRAWN.			10.17.11
F	ECN-Lumex201700108			11.10.17



POLARITY



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:

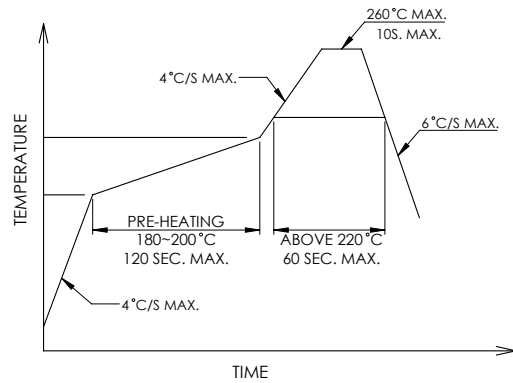
1. RoHS COMPLIANT.
2. COMPLIANCE WITH EU REACH.
3. COMPLIANCE Halogen Free .
(Br <900 ppm , Cl <900 ppm , Br+Cl < 1500 ppm)

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

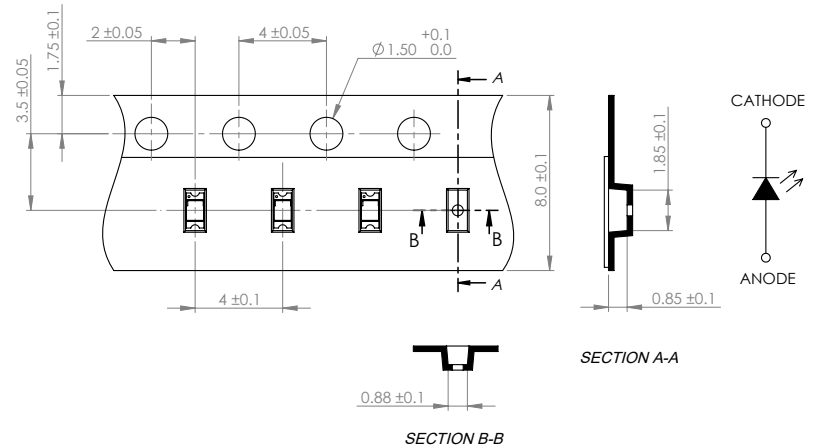
MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a STANDARDS

*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= ^{DECIMAL PRECISION} 0.00

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= *DECIMAL PRECISION MAX= *DECIMAL PRECISION