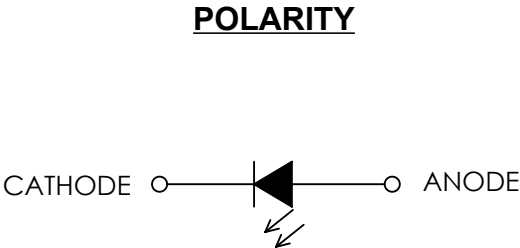
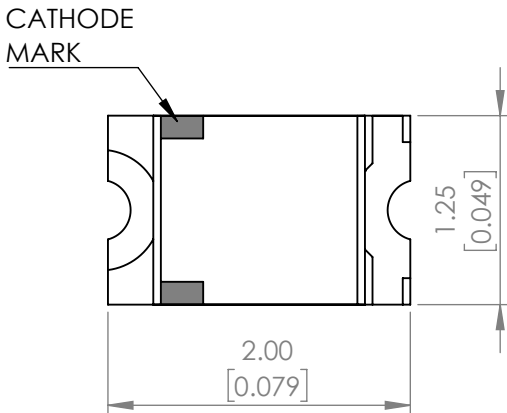
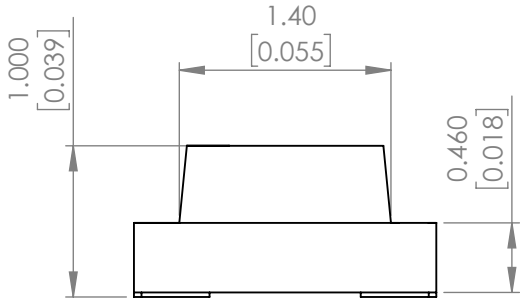


PART NUMBER		SML-LX0805USBC-TR	REV	F
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	E.C.N. #10862		05.09.02	
B	E.C.N. #10967		03.14.03	
C	E.C.N. #11148		01.17.05	
D	E.C.N. #11508		03.06.09	
E	E.C.N. #10BRDR & REDRAWN		05.07.12	
F	ECN-Lumex201800059		07.10.17	

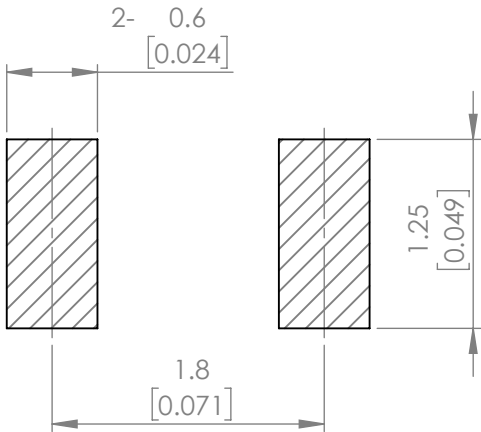


ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	470	-	nm	If=20mA
FORWARD VOLTAGE	-	3.5	4.3	Vf	If=20mA
REVERSE VOLTAGE	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	25	-	mcd	If=20mA
VIEWING ANGLE	-	140	-	2x theta1/2	-
EMITTED COLOR	RED				
EPOXY LENS FINISH	WATER CLEAR				



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
FORWARD CURRENT	30	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	120	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*t<10us

NOTE:

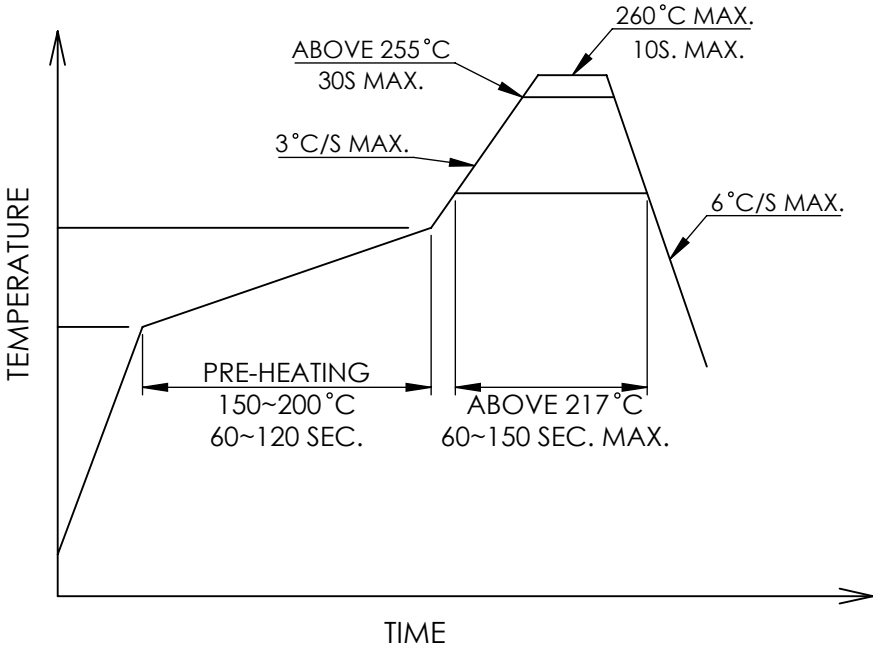
1. RoHS COMPLIANT.
2. COMPLIANCE WITH EU REACH.
3. COMPLIANCE Halogen Free .
(Br <900 ppm ,Cl <900 ppm , Br+Cl < 1500 ppm)

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

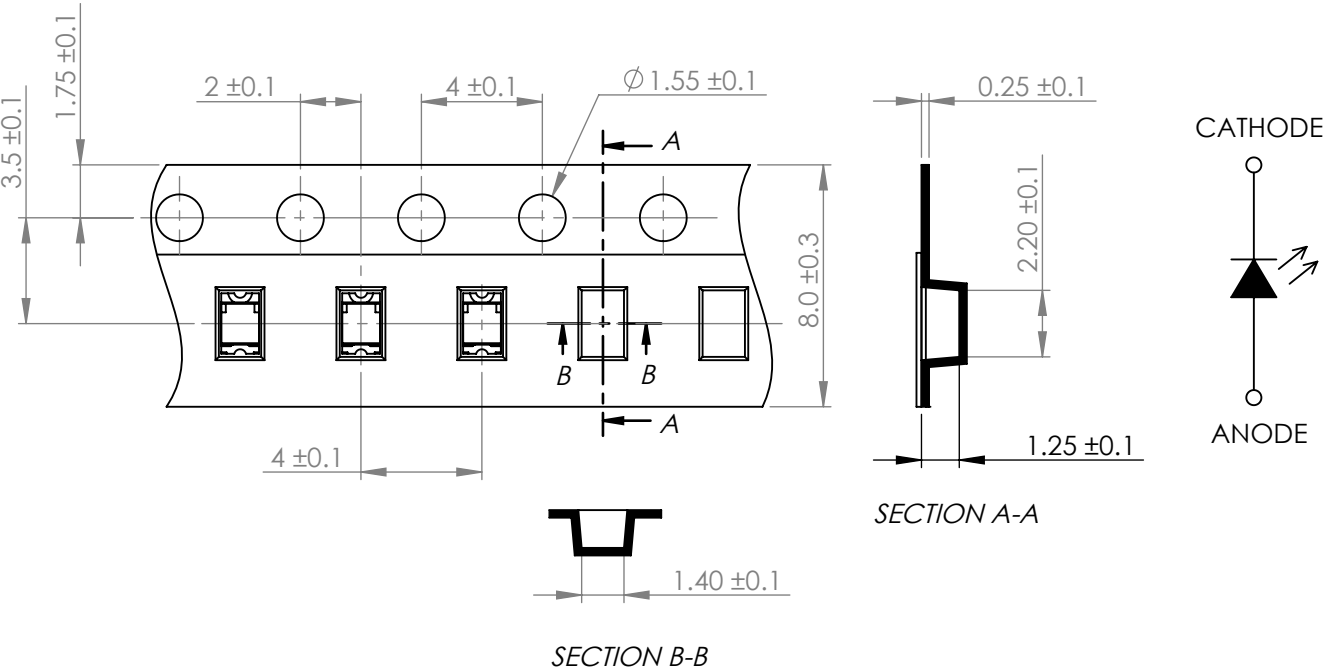
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}/_{-0.00} MAX.= ^{+0.00}/_{-DECIMAL PRECISION}

	425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM	2(L)*1.25(W)*1(H)mm, SURFACE MOUNT TOP VIEW LED, 470nm BLUE RED, WATER CLEAR LENS, TAPE & REEL		DATE : 2017.07.10	DRAWN BY : E.E.
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE : 1 OF 2	CHKD BY : E.C.
		CONFIDENTIAL INFORMATION 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.		SCALE : NTF	APRVD BY : G.Y.
				UNIT : mm [INCH]	

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} -0.00 MAX.= ^{+0.00} -DECIMAL PRECISION



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2(L)*1.25(W)*1(H)mm, SURFACE MOUNT TOP VIEW LED, 470nm BLUE RED, WATER CLEAR LENS, TAPE & REEL

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PAGE : 2 OF 2

CHKD BY : E.C.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

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