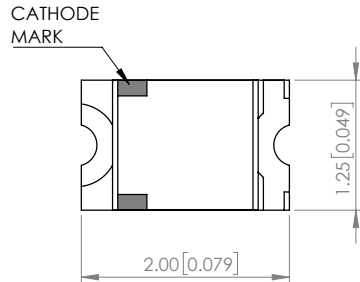
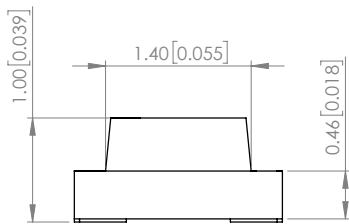
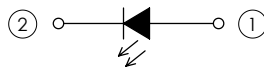


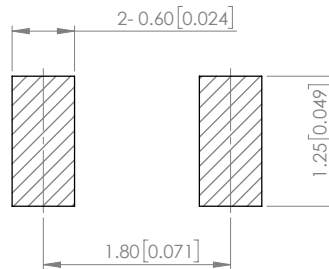
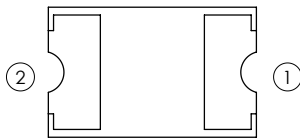
PART NUMBER		SML-LX08051C-TR	REV	H
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	E.C.N. #10BRDR.		08.26.98	
B	E.C.N. #10644. & REDRAWN IN 3D.		07.18.00	
C	E.C.N. #10862.		05.09.00	
D	E.C.N. #10967.		03.14.03	
E	E.C.N. #11148.		01.17.05	
F	E.C.N. #11508.		03.06.08	
G	E.C.N. #10BRDR. & REDRAWN.		07.01.11	
H	ECN-Lumex201800099		06.08.18	



**POLARITY**



**RECOMMENDED SOLDER PAD LAYOUT**



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	640	-	nm	If=20mA
FORWARD VOLTAGE	-	2.0	2.4	Vf	If=20mA
REVERSE CURRENT	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	9	-	mcd	If=20mA
VIEWING ANGLE	-	140	-	2x theta 1/2	-
EMITTED COLOR	RED				
EPOXY LENS FINISH	WATER CLEAR				

**ABSOLUTE MAXIMUM RATINGS TA=25°C**

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	60	mA
FORWARD CURRENT	30	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	72	mW
STORAGE TEMPERATURE	-40 TO +90	°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)

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= <sup>+DECIMAL PRECISION</sup> -0.00, MAX= <sup>+0.00</sup> -DECIMAL PRECISION

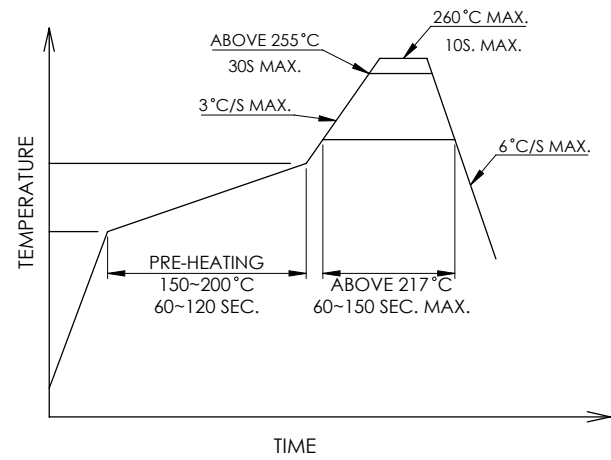


425 N. GARY AVE.  
CAROL STREAM, IL 60188  
PHONE : 800-278-5666  
FAX : 630-315-2150  
WEB : WWW.LUMEX.COM

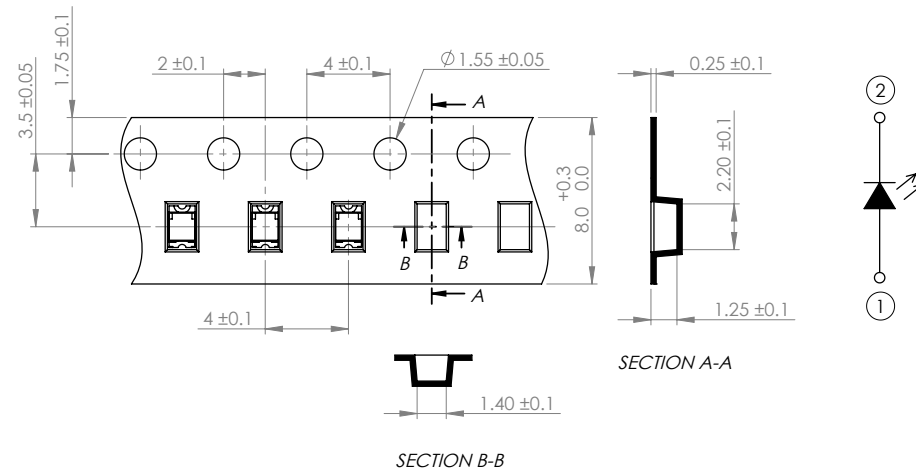
2.0(L)\*1.25(W)\*1.0(H)mm, SURFACE MOUNT TOP VIEW LED, GaAsP/GaP 640nm RED, WATER CLEAR LENS, TAPE & REEL  
\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*  
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DATE : 2018.06.08	DRAWN BY : C.C.
PAGE : 1 OF 2	CHKD BY : E.C.
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= <sup>+0.00</sup>-0.00 DECIMAL PRECISION MAX.= <sup>+0.00</sup>-0.00 DECIMAL PRECISION



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2.0(L)\*1.25(W)\*1.0(H)mm, SURFACE MOUNT TOP VIEW LED, GaAsP/GaP 640nm 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]	④

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