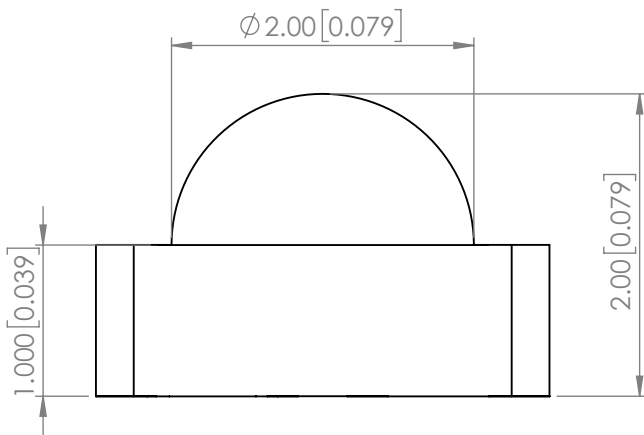
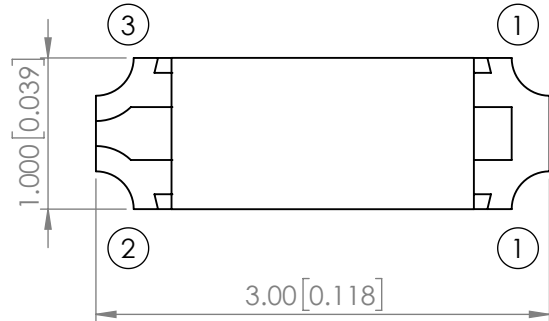
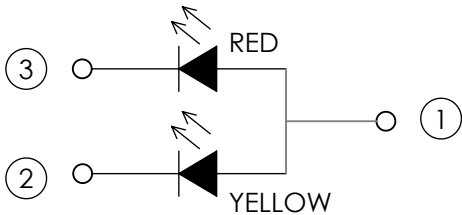


PART NUMBER		SML-LXR851SRSYC-TR	REV	D
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	E.C.N.#10967		09.07.04	
B	E.C.N.#11710/10BRDR. & REDRAWN		05.16.11	
C	ECN-Lumex202200071		10.20.22	
D	ECN-Lumex202400012		04.02.24	



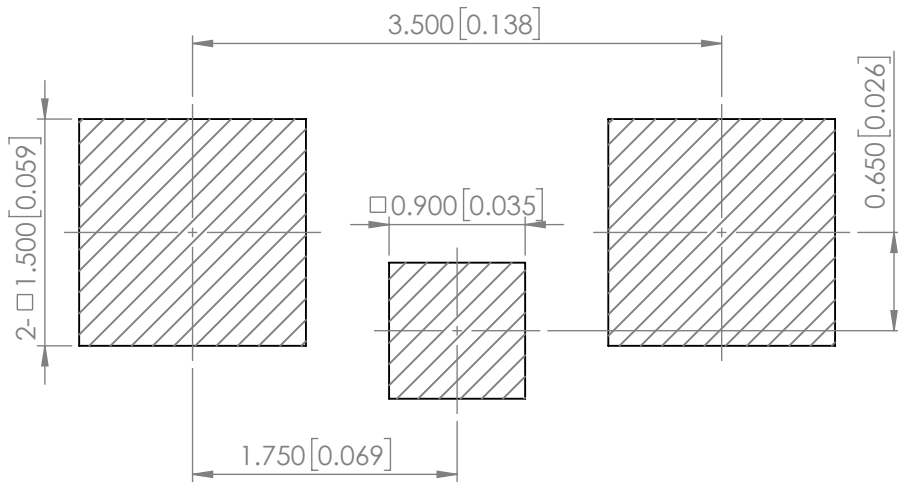
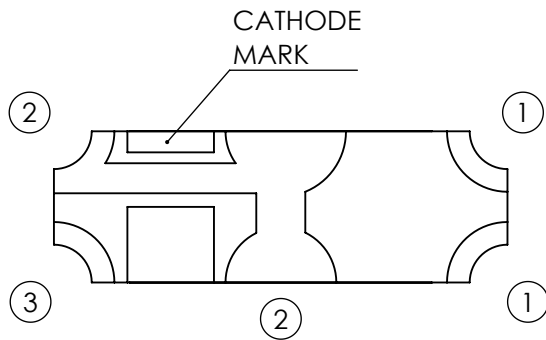
POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	660	-	nm	If=20mA
	Y	-	590	-		
DOMINANT WAVELENGTH	R	-	643	-	nm	If=20mA
	Y	-	589	-		
FORWARD VOLTAGE	R	-	1.7	2.4	Vf	If=20mA
	Y	-	2.0	2.4		
REVERSE CURRENT	R	-	-	10	uA	VR=5V
	Y	-	-	10		
LUMINOUS INTENSITY	R	-	20	-	mcd	If=20mA
	Y	-	45	-		
VIEWING ANGLE		-	120	-	2x theta1/2	-
EMITTED COLOR		RED / YELLOW				
EPOXY LENS FINISH		WATER CLEAR				

RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/Y)*	60 / 60	mA
FORWARD CURRENT (R/Y)	25 / 25	mA
REVERSE VOLTAGE (R/Y)	5 / 5	V
POWER DISSIPATION (R/Y)	60 / 60	mW
ELECTROSTATIC DISCHARGE (R/Y)	2000 / 2000	V
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*Duty 1/10 @1KHz

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

*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

3.0(L)*1.0(W)*2.0(H)mm, SURFACE MOUNT SIDE VIEW LED, AlGaInP RED / AlGaInP YELLOW LED, WATER CLEAR LENS, TAPE & REEL, COMMON ANODE

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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PAGE : 1 OF 2

CHKD BY : E.C.

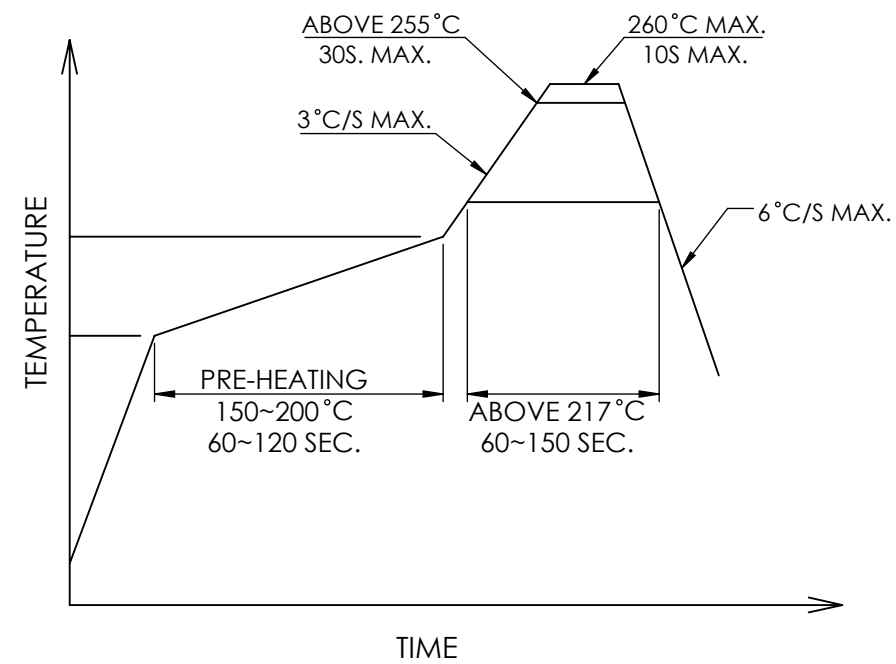
SCALE : NTF

APRVD BY : G.Y.

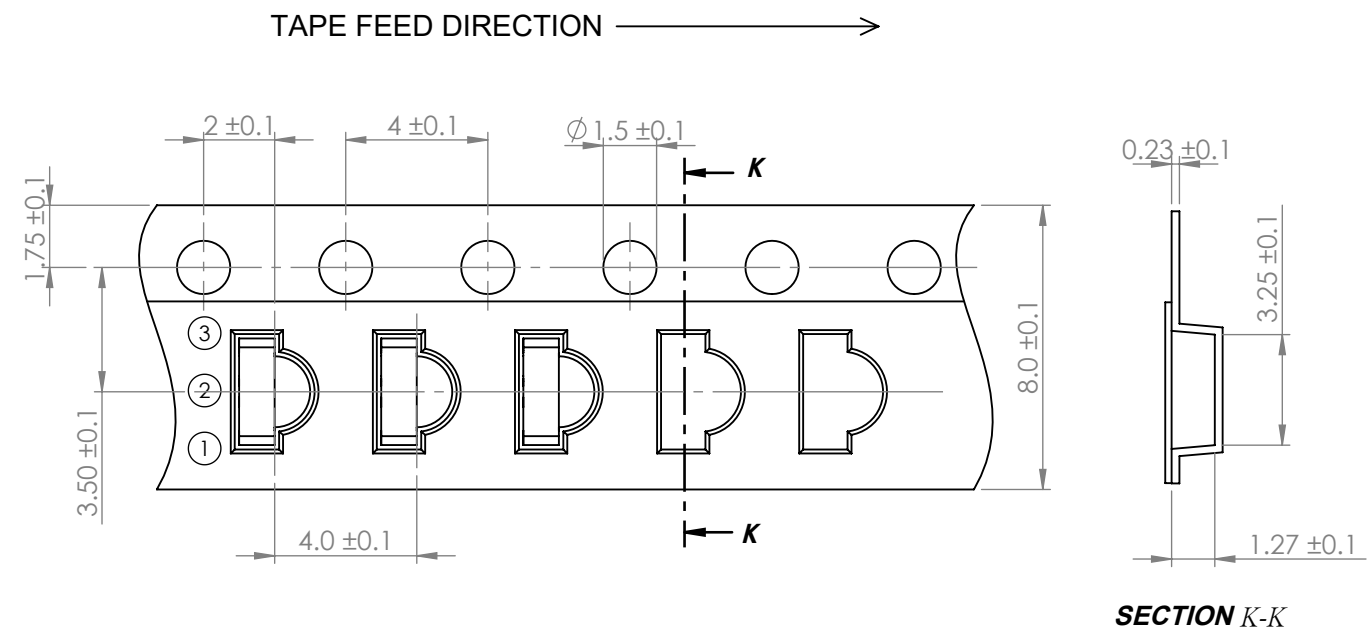
UNIT : mm [INCH]

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PROFILE



CARRIER TAPE DIMENSION



NOTE:

1.PACKAGE:2000pcs/REEL

*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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SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

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