

PART NUMBER		SML-LXT3632SIUPGUSBC-TRLT	REV	T2
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
T1	E.C.N. #10BRDR		03.22.17	
T2	ECN-Lumex201900062		04.17.19	

ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	632	-	nm	If=20mA
	G	-	518	-		
	B	-	470	-		
FORWARD VOLTAGE	R	1.75	-	2.75	Vf	If=20mA
	G	2.75	-	3.65		
	B	2.75	-	3.65		
REVERSE CURRENT	R	-	-	10	uA	VR=12V
	G	-	-	10		VR=5V
	B	-	-	10		VR=5V
LUMINOUS INTENSITY	R	-	900	-	mcd	If=20mA
	G	-	1600	-		
	B	-	330	-		
VIEWING ANGLE		-	120	-	2x theta1/2	If=20mA
EMITTED COLOR		RED / GREEN / BLUE				
EPOXY LENS FINISH		WATER CLEAR				

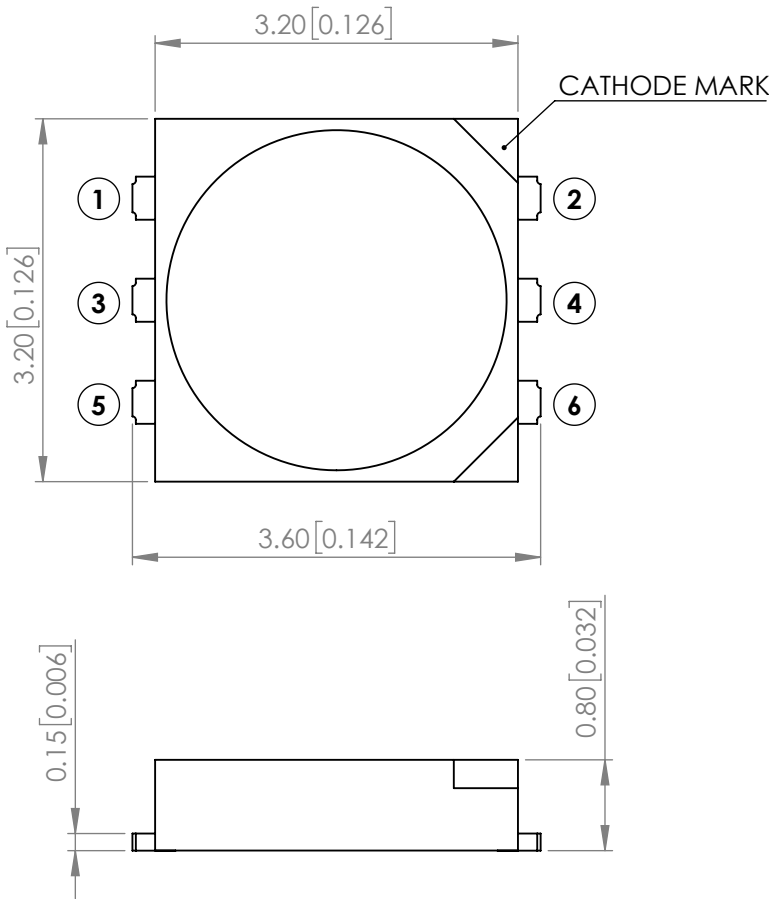
ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/G/B)*	100 / 100 / 100	mA
FORWARD CURRENT (R/G/B)	50 / 30 / 30	mA
REVERSE VOLTAGE (R/G/B)	12 / 5 / 5	V
POWER DISSIPATION (R/G/B)	120 / 110 / 110	mW
STORAGE TEMPERATURE	-40 TO +110	°C
OPERATING TEMPERATURE	-40 TO +100	°C
SOLDERING TEMPERATURE**	3 SEC. MAX. @260	°C

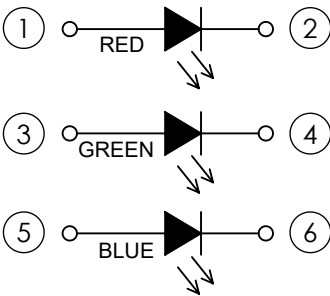
*t<10us

**2.0mm FROM BODY.

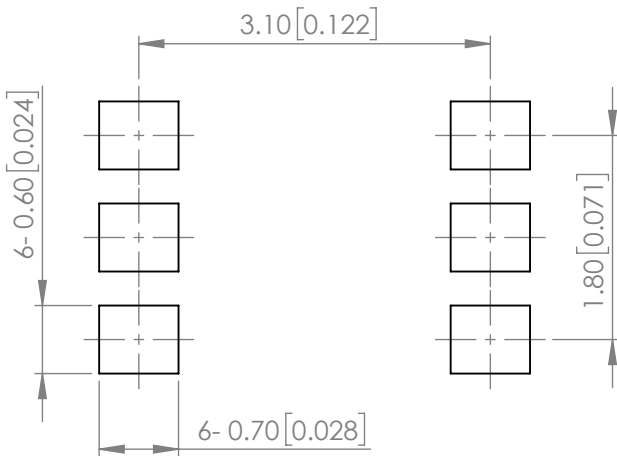
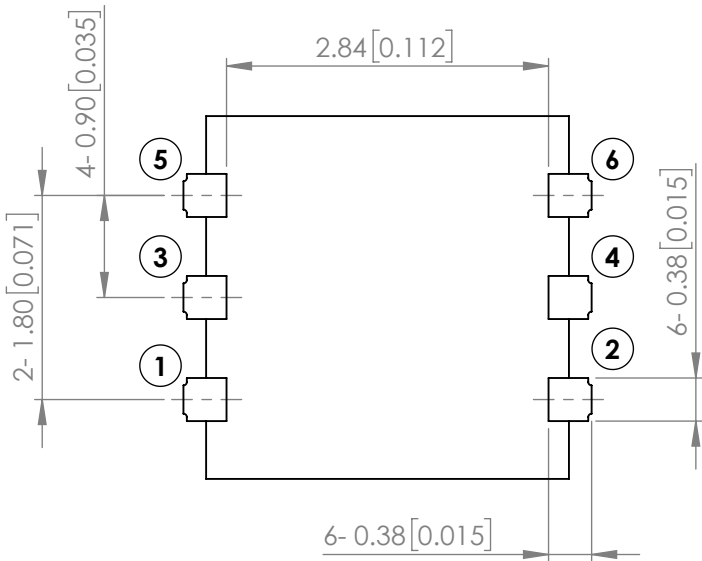
MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



*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

3.2(L)*3.6(W)*0.8(H)mm, SML W/REFLECTOR, AlGaInP 632nm RED / InGaN 518nm GREEN / InGaN 470nm BLUE LED, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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DATE : 2019.04.16

DRAWN BY : C.C.

PAGE : 1 OF 2

CHKD BY : E.C.

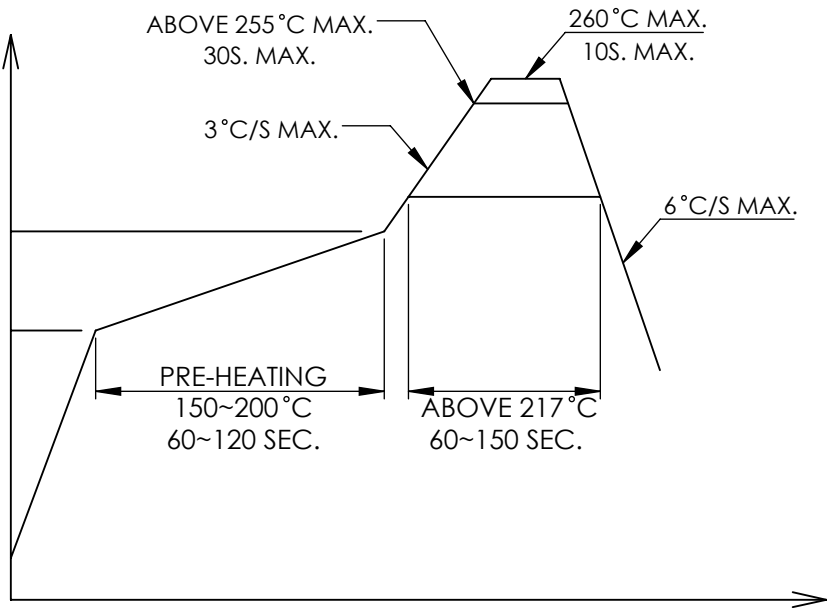
SCALE : NTF

APRVD BY : G.Y.

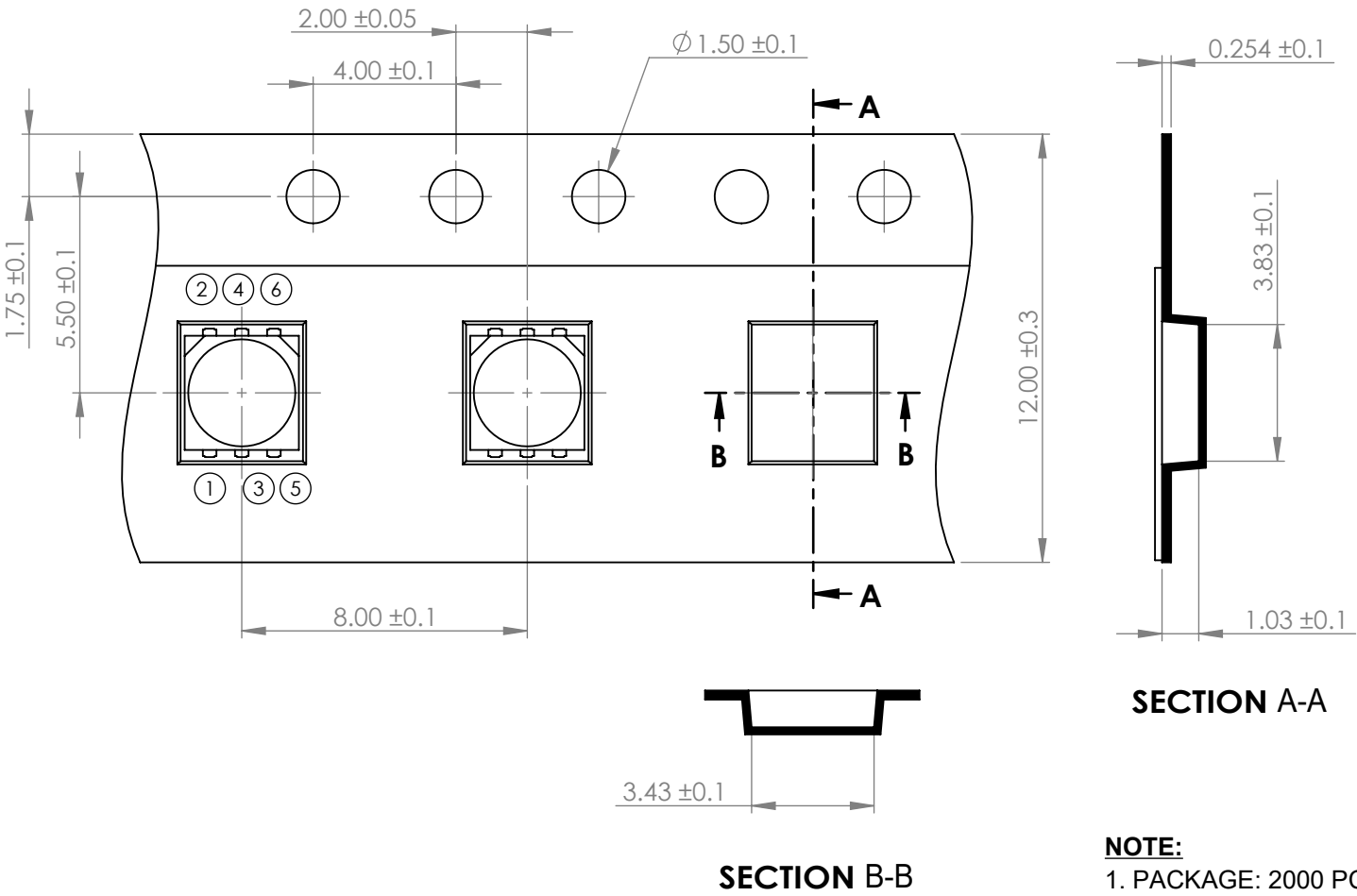
UNIT : mm [INCH]

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PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. PACKAGE: 2000 PCS/REEL.

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