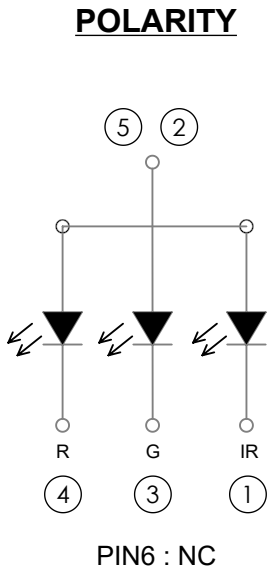
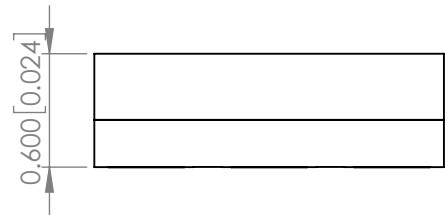
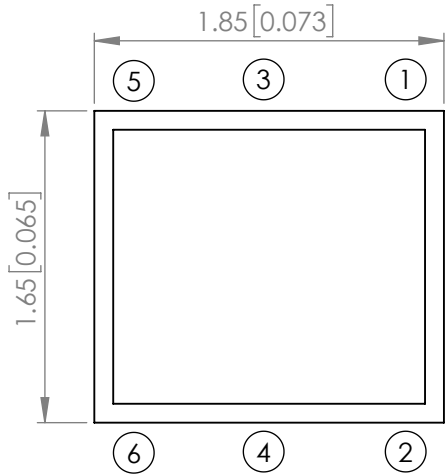
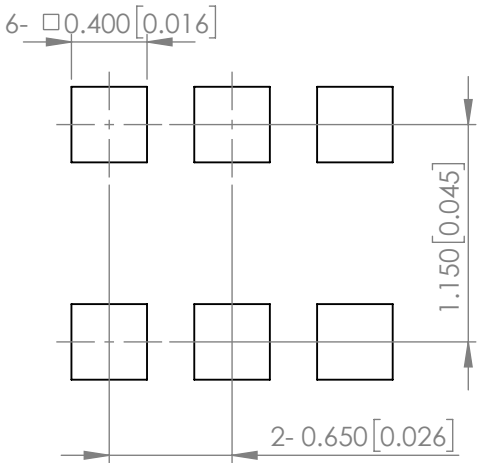
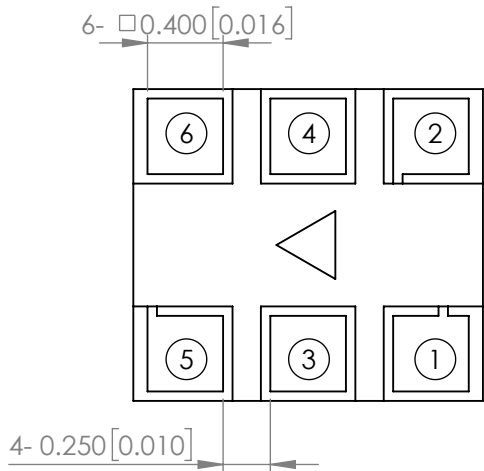


		PART NUMBER	SML-LX1816IRRGC-TR	REV	A
		REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE
		A	ECN-Lumex202500007		02.06.25



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	IR	-	940	-	nm	If=20mA
	R	-	660	-		
	G	-	530	-		
FORWARD VOLTAGE	IR	-	1.3	1.8	Vf	If=20mA
		-	-	1.8		Ifp=20mA*
		-	-	2.5		Ifp=200mA*
	R	-	2.0	2.5	Vf	If=20mA
		-	-	2.5		Ifp=20mA*
		-	-	3.5		Ifp=200mA*
	G	-	2.5	2.8	Vf	If=20mA
		-	-	2.8		Ifp=20mA*
		-	-	3.7		Ifp=200mA*
REVERSE CURRENT	IR	-	-	10	uA	VR=5V
	R	-	-	10		
	G	-	-	10		
RADIANT FLUX	IR	-	10	-	mcd	If=20mA
	R	-	13	-		
	G	-	14	-		
VIEWING ANGLE		-	110	-	2x theta1/2	-
EMITTED COLOR	IR / RED / GREEN					
EPOXY LENS FINISH	WATER CLEAR					

*@DUTY 1/10,200Hz

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (IR/R/G)*	500 / 500 / 500	mA
FORWARD CURRENT(IR/R/G)	50 / 50 / 20	mA
REVERSE VOLTAGE(IR/R/G)	5 / 5 / 5	V
POWER DISSIPATION (IR/R/G)	100 / 130 / 60	mW
ESD(HBM)	2000 / 2000 / 2000	V
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +100	°C

*PULSE WIDTH≤100uS and DUTY≤1%

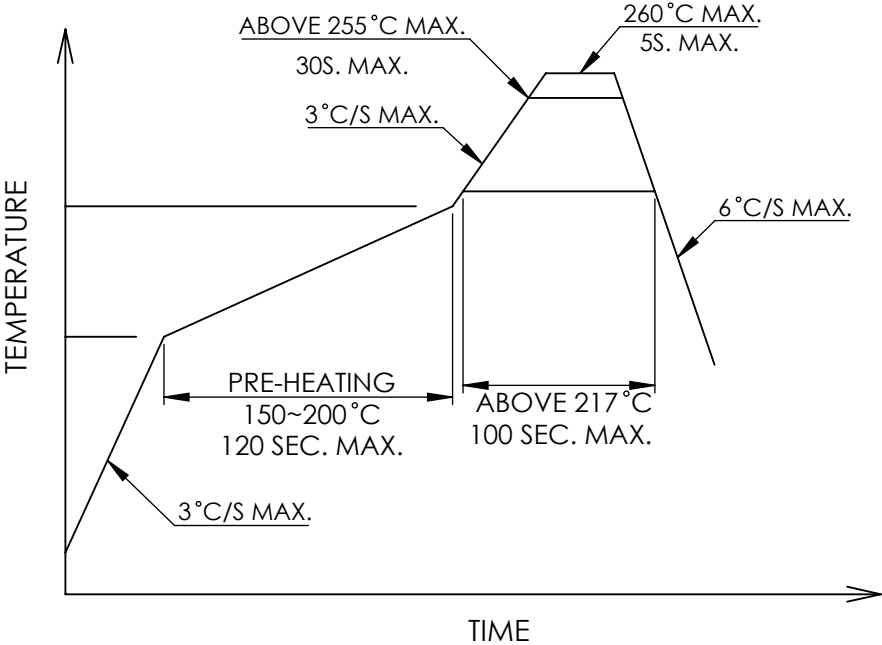
MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

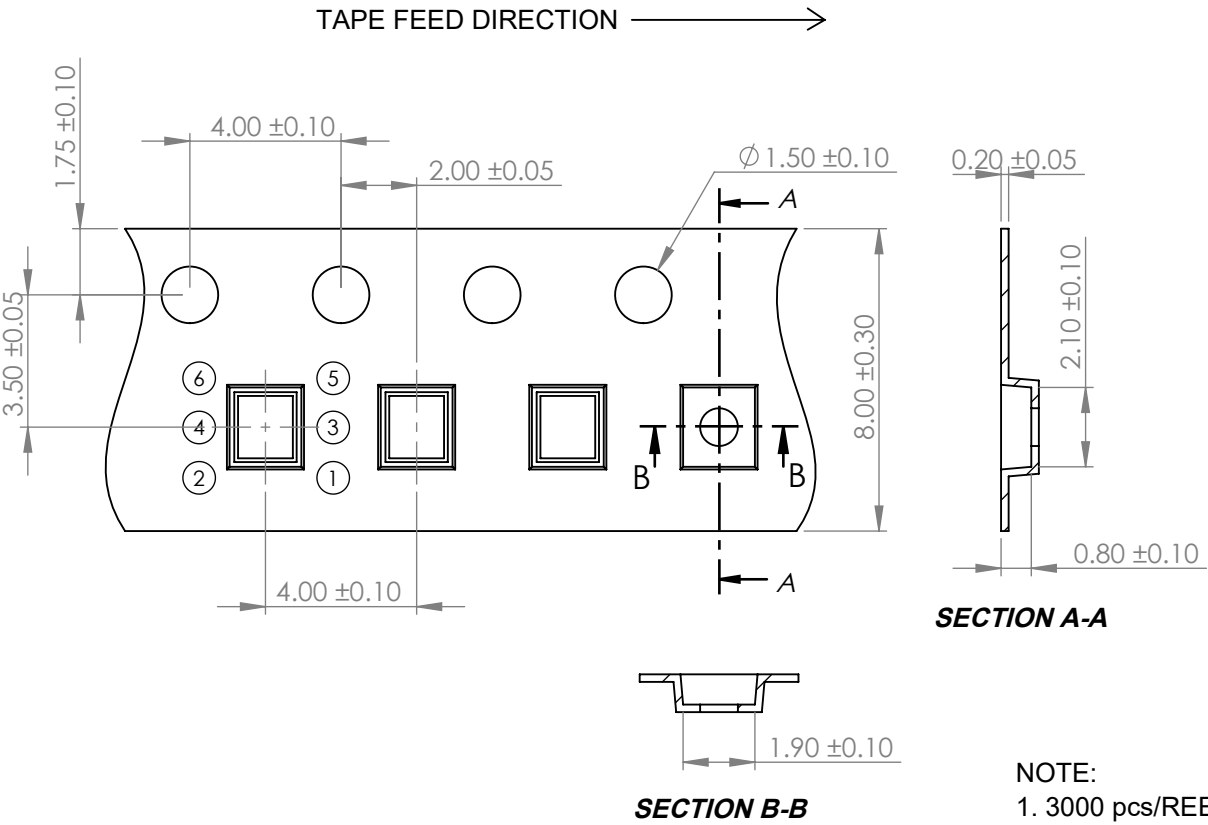
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}/_{-0.00} MAX.= ^{+0.00}/_{-DECIMAL PRECISION}

	425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM	1.85(L)*1.65(W)*0.60(H)mm, SURFACE MOUNT LED, 940nm IR/660nm RED/530nm GREEN LED, WATER CLEAR LENS, TAPE AND REEL.	DATE : 2024.04.24	DRAWN BY : E.C.
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE. 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.	PAGE : 1 OF 2	CHKD BY : T.S.
			SCALE : NTF	APRVD BY : G.Y.
			UNIT : mm [INCH]	

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. 3000 pcs/REEL

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PAGE : 2 OF 2

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