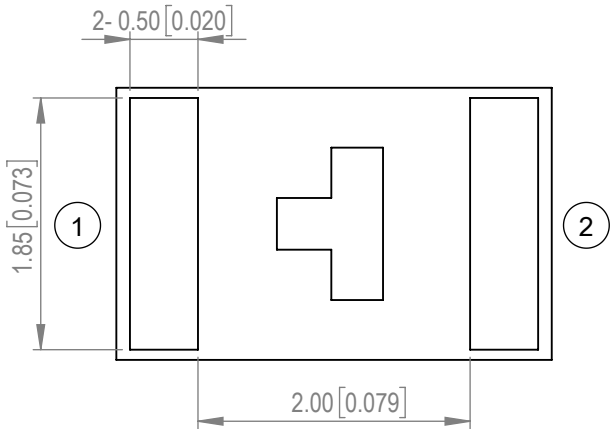
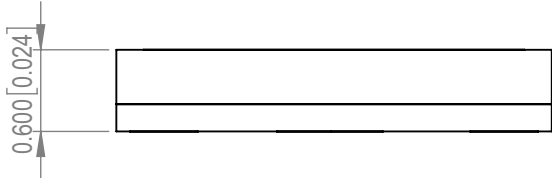
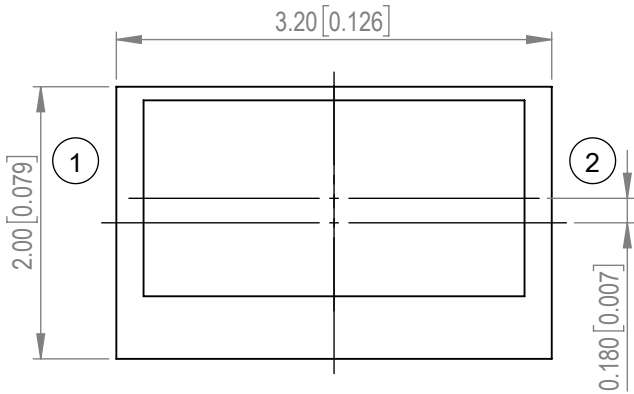
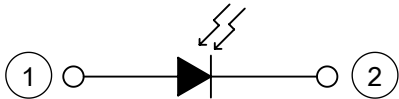


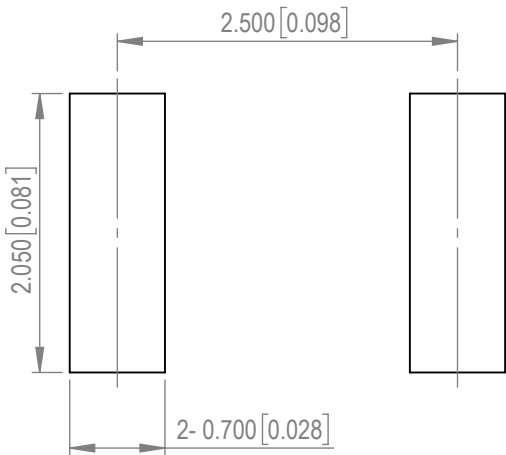
PART NUMBER		OED-SP-8203220C130	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500009			02.07.25



POLARITY



RECOMMENED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
RANG OF SPECTRAL BANDWIDTH	$\lambda 0.15$	15% OF λp	420	-	1100	nm
WAVELENGTH OF PEAK SENSITIVITY	λp	-	-	820	-	nm
OPEN-CIRCUIT VOLTAGE	Voc	Ee=1mW/cm ² λp =940	-	0.48	-	V
SHORT-CIRCUIT CURRENT	ISC	Ee=1mW/cm ² λp =940	-	14	-	uA
REVERSE LIGHT CURRENT	IL	Ee=1mW/cm ² λp =940, VR=5V	-	18	-	uA
		Ee=1mW/cm ² λp =660, VR=5V	-	17	-	
		Ee=1mW/cm ² λp =525, VR=5V	-	13	-	
DARK REVERSE CURRENT	ID	Ee=0mW/cm ² VR=10V	-	-	20	nA
REVERSE BREAKDOWN VOLTAGE	BvR	Ee=0mW/cm ² VR=100uA	32	-	-	V
TOTAL CAPACITANCE	CT	Ee=0mW/cm ² VR=0V, f=1MHz	-	20	200	pF
VIEW ANGLE	2x theta1/2	-	-	135	-	deg
LENS FINISH	WATER CLEAR					

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
ESD(HBM)	2000	V
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C

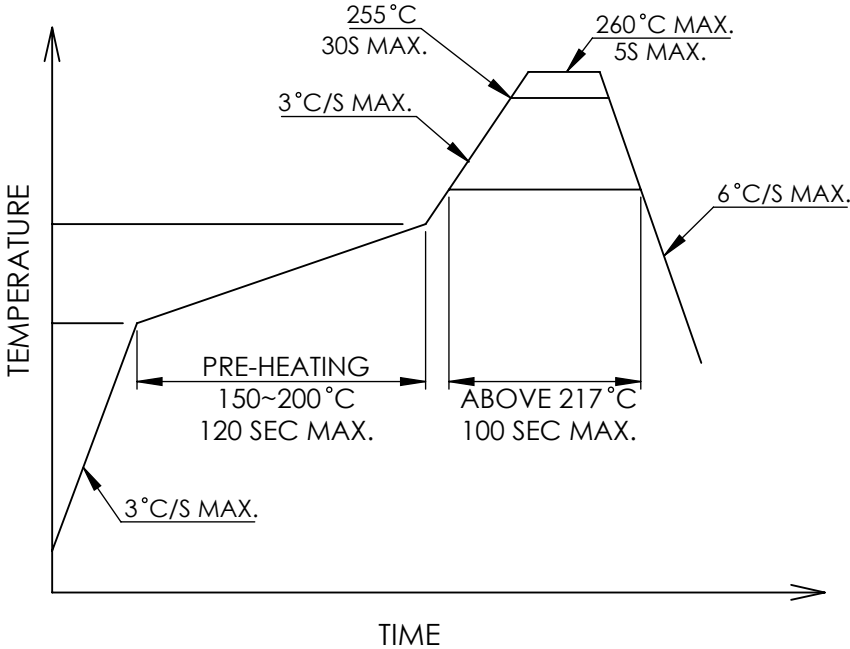
CAUTION : MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

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

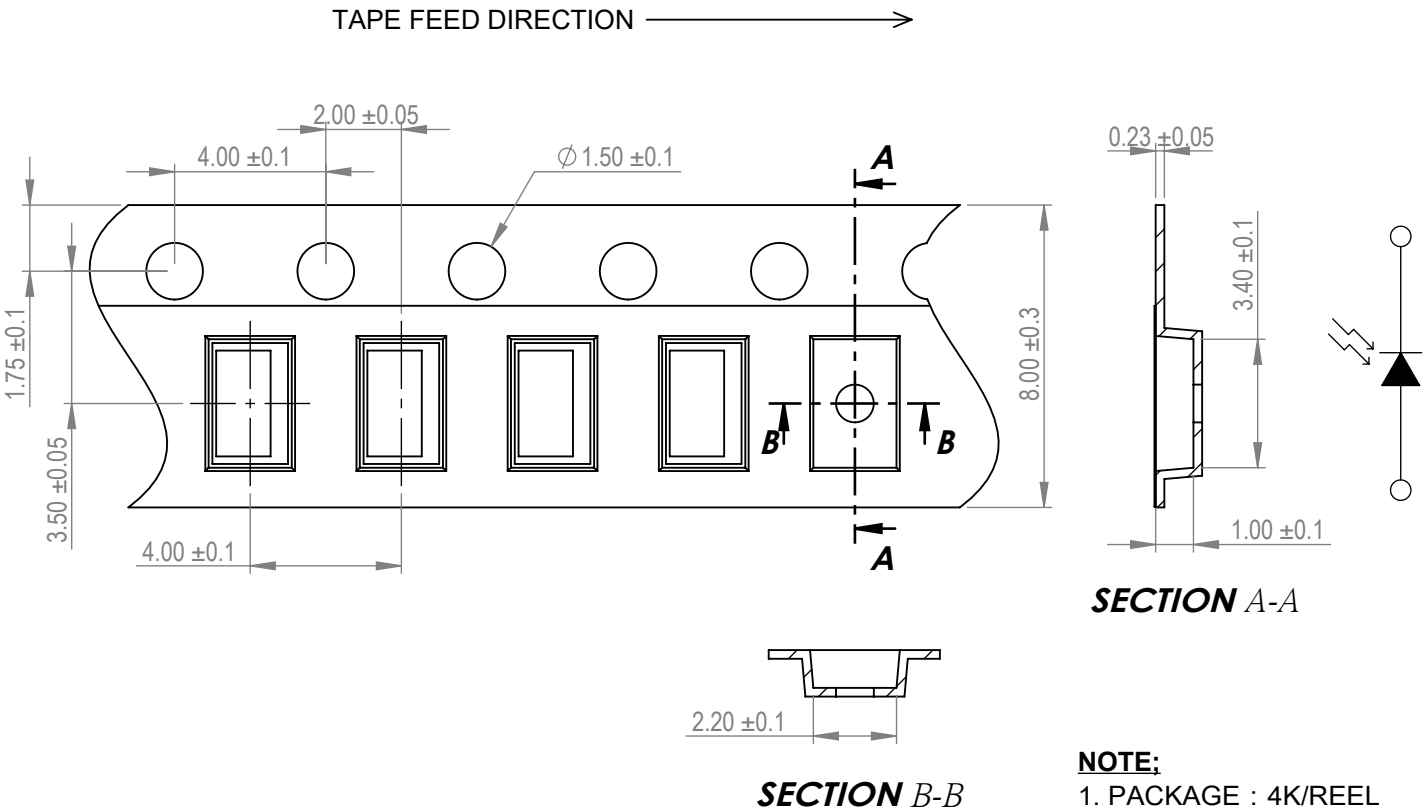
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.39), X.X=±0.1 (±0.039), X.XX=±0.05 (±0.0197), X.XXX=±0.03 (±0.012). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.00 +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

 425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM	3.2(L)*2.0(W)*0.6(H)mm, SURFACE MOUNT, 840nm PIN PHOTODIODE, WATER CLEAR LENS, TAPE & REEL.		DATE : 06.06.24	DRAWN BY : E.C.
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE		PAGE : 1 OF 2	CHKD BY : T.S.
	CONFIDENTIAL INFORMATION		SCALE : NTF	APRVD BY : G.Y.
	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.		UNIT : mm [INCH]	

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. PACKAGE : 4K/REEL

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.1 (±0.039), X.XX=±0.05 (±0.0197), X.XXX=±0.03 (±0.012). 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)*2.0(W)*0.6(H)mm, SURFACE MOUNT, 840nm PIN PHOTODIODE, WATER CLEAR LENS, TAPE & REEL.

****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.

DATE : 06.06.24	DRAWN BY : E.C.
PAGE : 2 OF 2	CHKD BY : T.S.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	Ⓢ