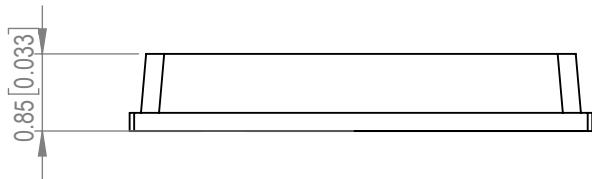
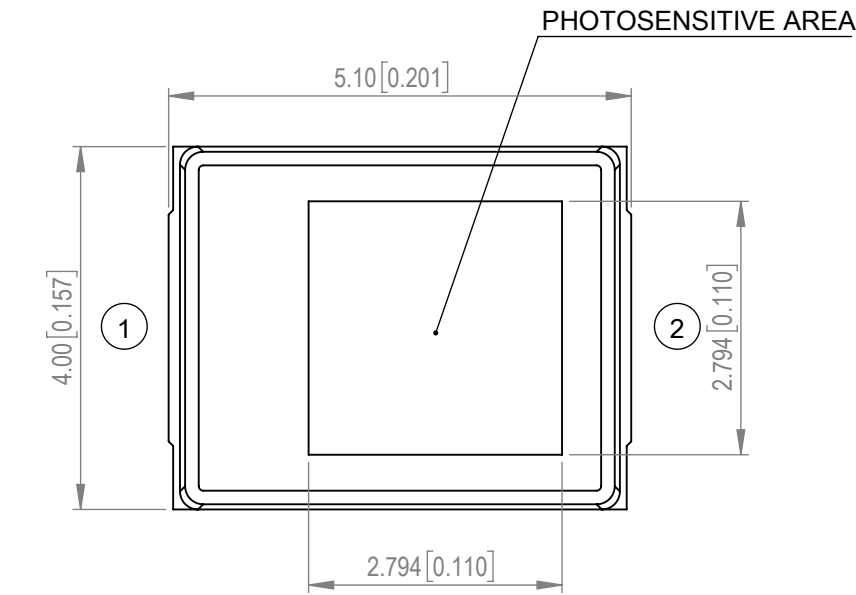
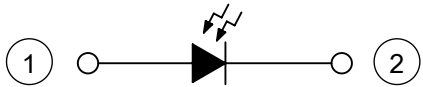


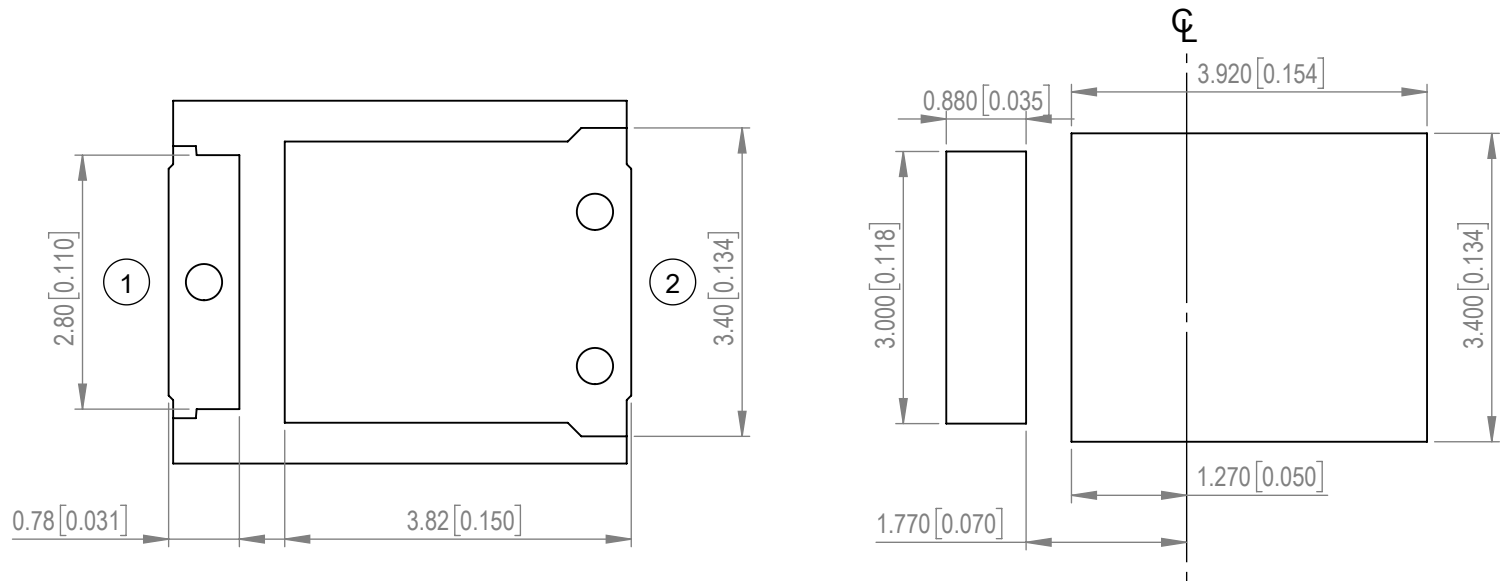
PART NUMBER		OED-SP-9405140C120	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500051			09.08.25



POLARITY



RECOMMENED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
RANG OF SPECTRAL BANDWIDTH	λ	10% OF λ_p	400	-	1100	nm
WAVELENGTH OF PEAK SENSITIVITY	λ_p	-	-	940	-	nm
OPEN-CIRCUIT VOLTAGE	VOC	Ee=1mW/cm ² λ_p =940nm	-	0.55	-	V
SHORT-CIRCUIT CURRENT	ISC	Ee=1mW/cm ² λ_p =940nm	-	20.0	-	uA
REVERSE LIGHT CURRENT	IL	Ee=1mW/cm ² λ_p =525nm, VR=5V	-	32.0	-	uA
		Ee=1mW/cm ² λ_p =660nm, VR=5V	-	38.0	-	
		Ee=1mW/cm ² λ_p =940nm, VR=5V	-	40.0	-	
DARK REVERSE CURRENT	ID	Ee=0mW/cm ² VR=10V	-	-	20	nA
REVERSE BREAKDOWN VOLTAGE	VBR	Ee=0mW/cm ² IR=100uA	-	170	-	V
TOTAL CAPACITANCE	CT	Ee=0mW/cm ² VR=3V, f=1MHz	-	6.0	-	pF
VIEW ANGLE	2x theta1/2	-	-	120	-	deg
LENS FINISH	WATER CLEAR					

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
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= ^{+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

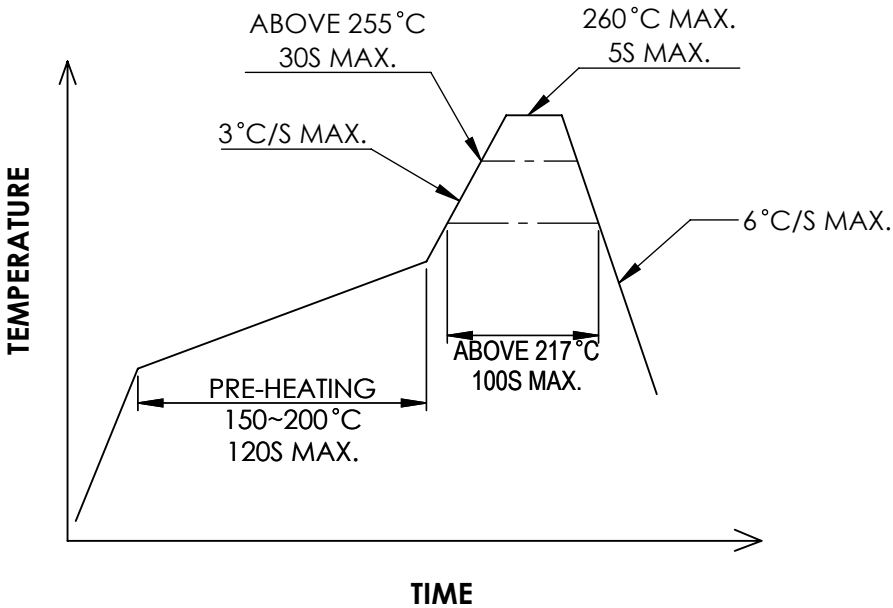
1.7(L)*0.80(W)*0.85(H)mm, SURFACE MOUNT, 940nm PHOTODIODE, WATER CLEAR LENS. TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE

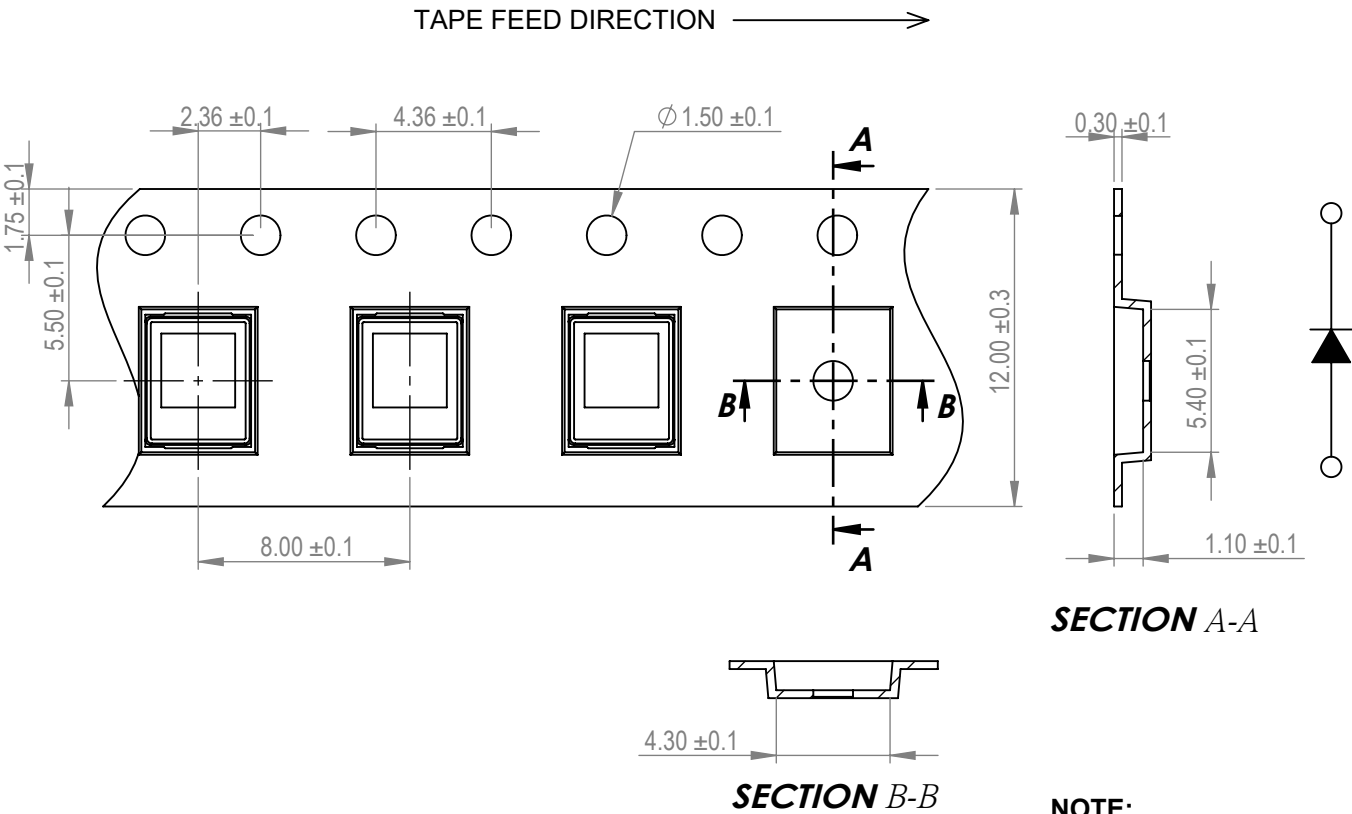
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DATE : 09.09.25	DRAWN BY : E.C.
PAGE : 1 OF 2	CHKD BY : T.S.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	Ⓢ

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. PACKAGE : 3K/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}



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