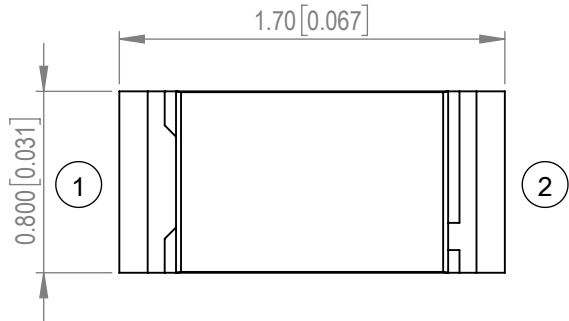
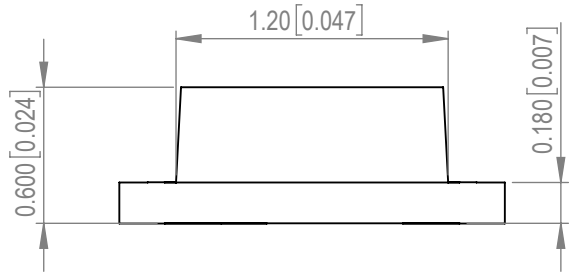
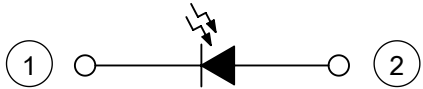


PART NUMBER		OED-SP15700603C110	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500049			09.08.25



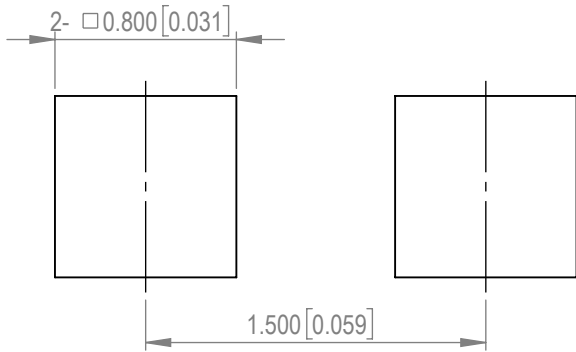
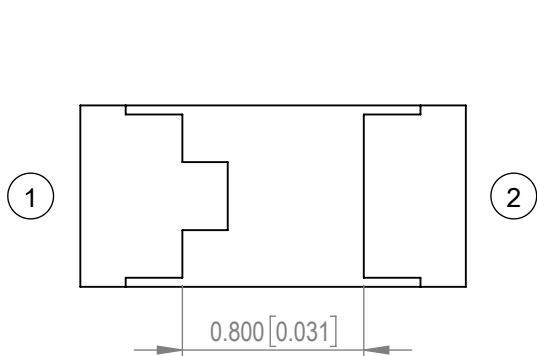
POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
RANG OF SPECTRAL BANDWIDTH	$\lambda 0.1$	-	910	-	1680	nm
WAVELENGTH OF PEAK SENSITIVITY	λp	-	-	1570	-	nm
OPEN-CIRCUIT VOLTAGE	VOC	Ee=1mW/cm ² λp =1300nm	-	0.24	-	V
SHORT-CIRCUIT CURRENT	ISC	Ee=1mW/cm ² λp =1300nm	-	0.30	-	mA
REVERSE LIGHT CURRENT	IL	Ee=1mW/cm ² λp =1300nm, VR=5V	-	0.38	-	uA
DARK REVERSE CURRENT	ID	Ee=0mW/cm ² VR=5V	-	-	50	nA
REVERSE BREAKDOWN VOLTAGE	VBR	Ee=0mW/cm ² IR=1uA	30	-	-	V
TOTAL CAPACITANCE	CT	Ee=0mW/cm ² VR=5V, f=1MHz	-	4.6	-	pF
VIEW ANGLE	2x theta1/2	-	-	110	-	deg
LENS FINISH	WATER CLEAR					

RECOMMENED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	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

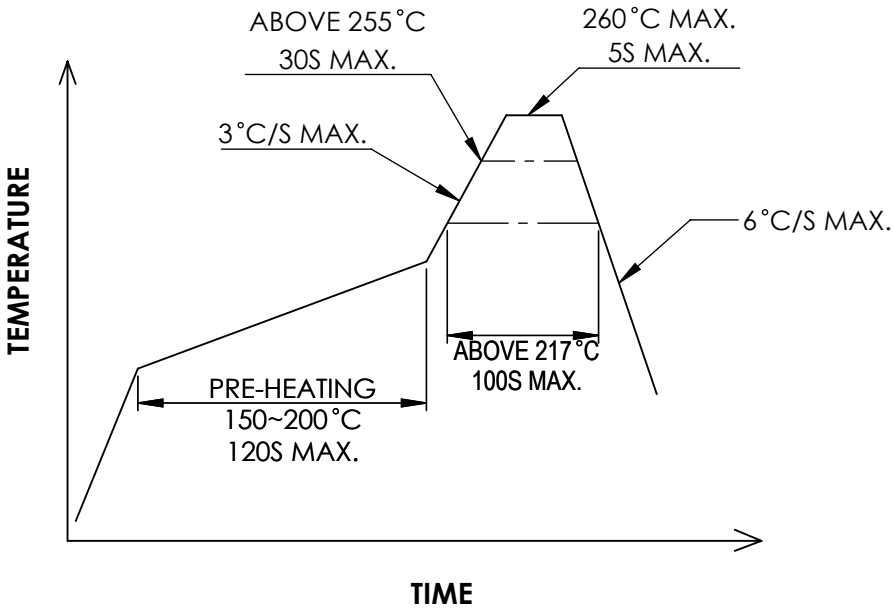
1.7(L)*0.80(W)*0.60(H)mm, SURFACE MOUNT, 1300nm PHOTODIODE, WATER CLEAR LENS. TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE

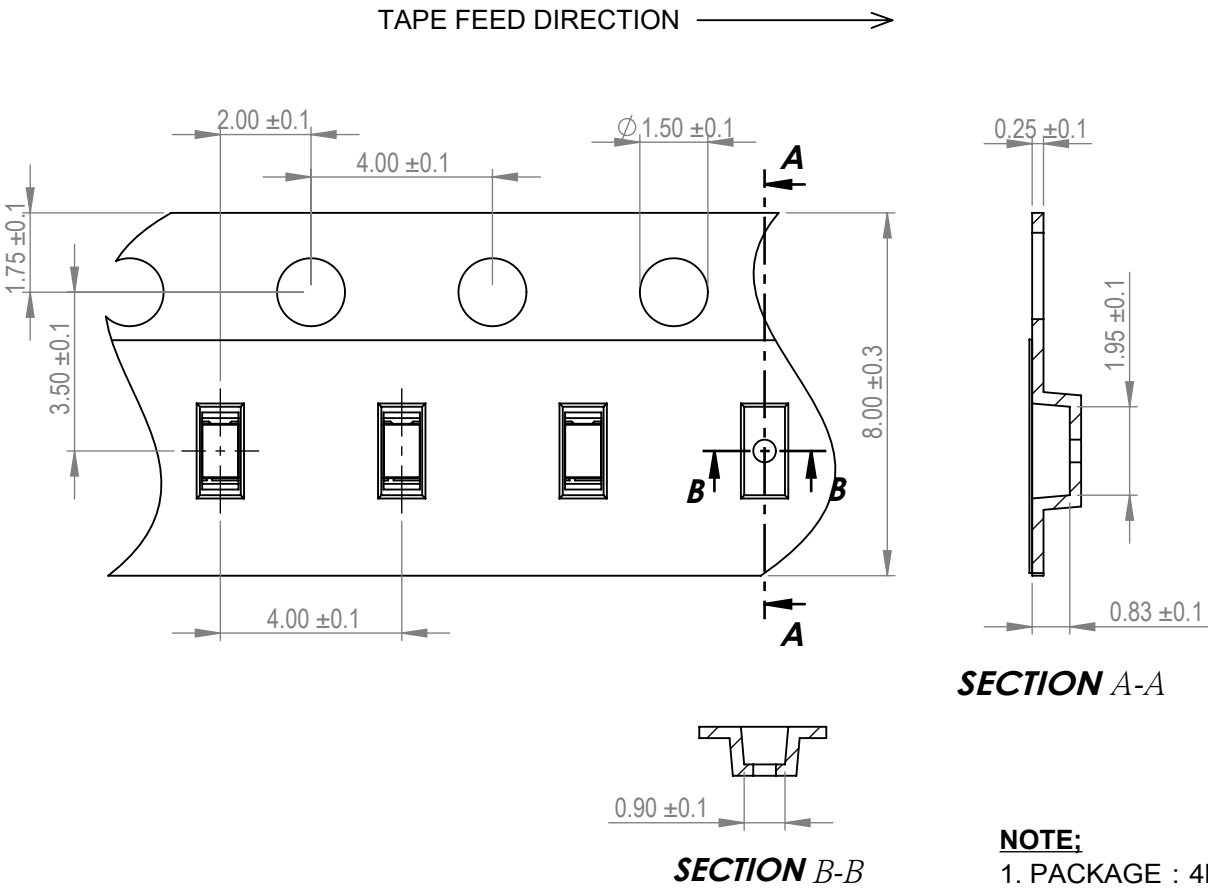
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DATE : 09.09.25	DRAWN BY : E.C.
PAGE : 1 OF 2	CHKD BY : T.S.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	

PROFILE



CARRIER TAPE DIMENSION



*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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PAGE : 2 OF 2

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SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

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