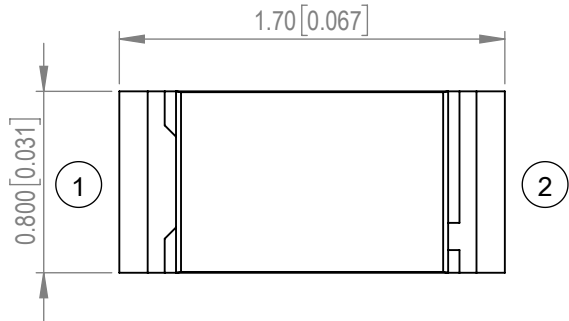
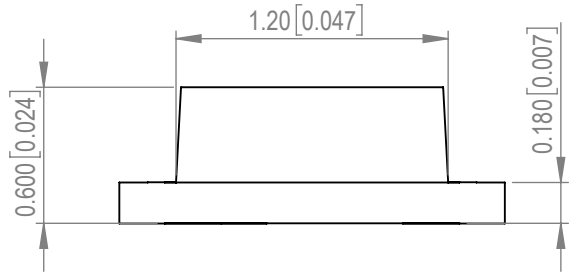
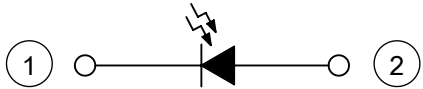


PART NUMBER		OED-SP13500603C105	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500050			09.08.25



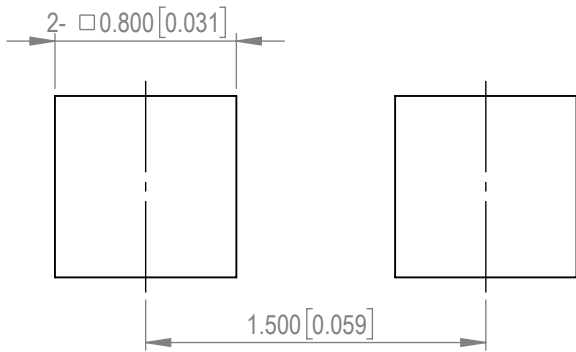
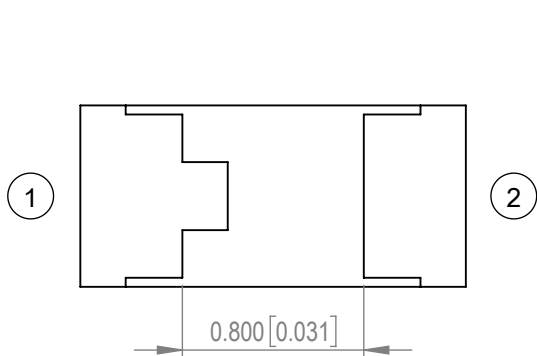
POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
RANG OF SPECTRAL BANDWIDTH	$\lambda 0.5$	-	900	-	1700	nm
WAVELENGTH OF PEAK SENSITIVITY	λp	-	-	1350	-	nm
OPEN-CIRCUIT VOLTAGE	VOC	Ee=1mW/cm ² λp =1300nm	-	0.30	-	V
SHORT-CIRCUIT CURRENT	ISC	Ee=1mW/cm ² λp =1300nm	-	0.34	-	uA
REVERSE LIGHT CURRENT	IL	Ee=1mW/cm ² λp =1300nm, VR=5V	-	0.35	-	uA
DARK REVERSE CURRENT	ID	Ee=0mW/cm ² VR=5V	-	-	1	nA
REVERSE BREAKDOWN VOLTAGE	VBR	Ee=0mW/cm ² IR=1uA	30	-	-	V
TOTAL CAPACITANCE	CT	Ee=0mW/cm ² VR=5V, f=1MHz	-	4.5	-	pF
VIEW ANGLE	2x theta1/2	-	-	105	-	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

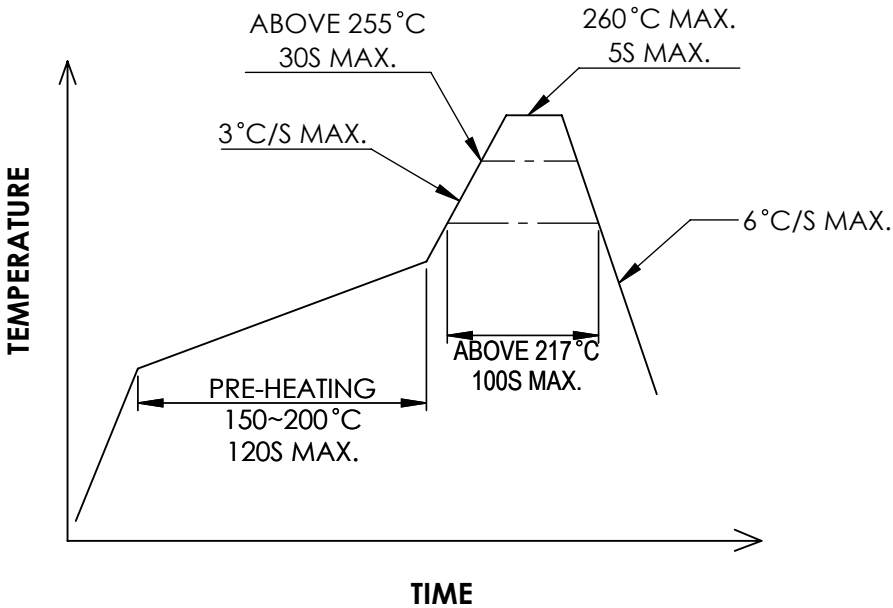
1.7(L)*0.80(W)*0.60(H)mm, SURFACE MOUNT, 1350nm PHOTODIODE, WATER CLEAR LENS. TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE

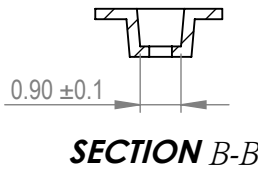
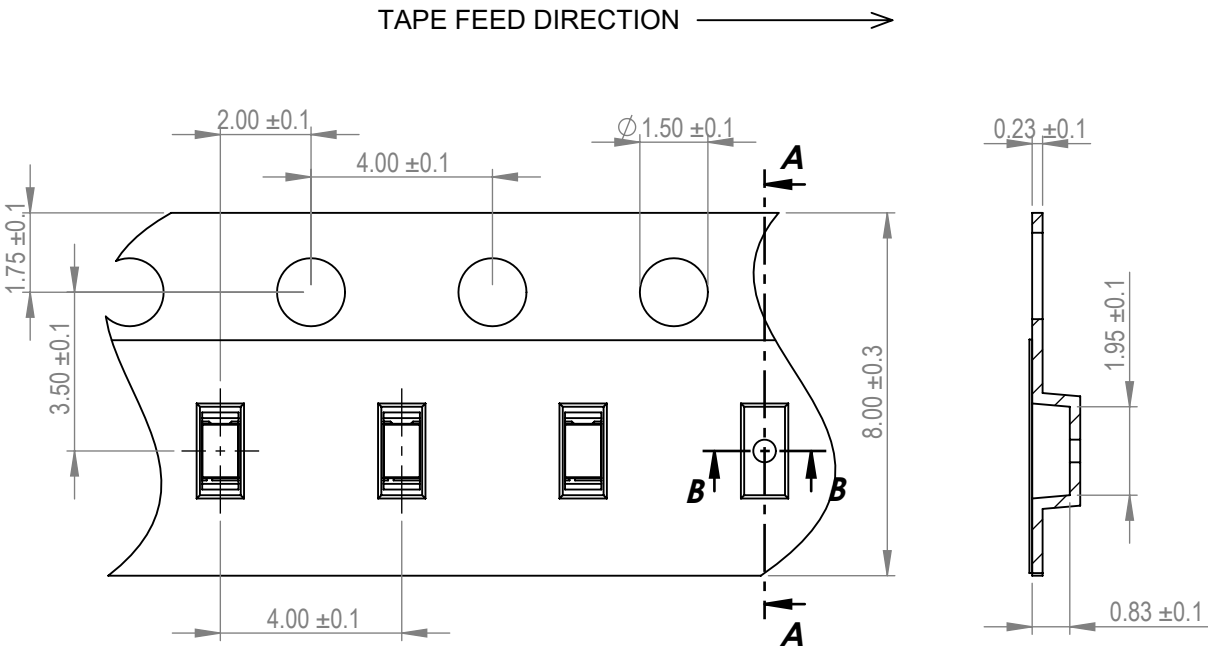
CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE : 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}



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, 1350nm 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 : 09.09.25

DRAWN BY : E.C.

PAGE : 2 OF 2

CHKD BY : T.S.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

Ⓢ