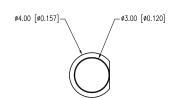
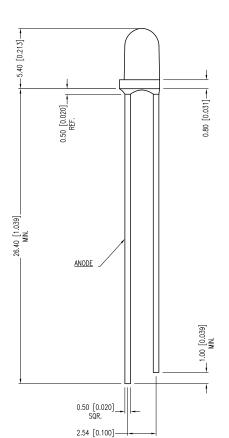
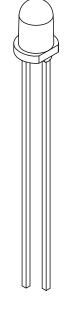
PART NUMBER	OED-SP-7L/A	REV.	Α
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.15.13	E.C.N. #10BRDR. & REDRAWN.		Α







ELECTRO-OPTICAL CHARACTERISTIC	CS Ta=25°C	If=20mA				
PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNITS
OPEN CIRCUIT VOLTAGE	Voc	Ee=0.5mw/cm ²		0.44		٧
SHORT CIRCUIT CURRENT	Isc	Ee=0.5mw/cm ²		8.0		μA
DARK CURRENT	ld	Vr=10V			10	nA
		Ee=0.0mw/cm ²				
TERMINAL CAPACITANCE	Ct	Vr=5V,F=1MHz		10		pF
RESPONSE TIME	Tr/Tf	$Vr=10V,RL=100\Omega$		10/10		nS
SPECTRAL SENSITIVITY	lambda(0.5))		840~1100		nm
PEAK WAVELENGTH	lambda(p)			940		nm
VIEWING ANGLE	2xtheta(1/2	!)		±45		DEG
LENS COLOR:	BLACK					

LIMITS OF SAFE OPERATION AT 25°	С	
PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	٧
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	*C
STORAGE TEMP.	-40 TO +85	•c
SOLDERING TEMP.	+260	•c
2.0mm FROM BODY	.3	SEC.
* 1×10C		

RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE
THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE
FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

*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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.003), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.001), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION MAX.= $^{+0.00}_{-DECIMAL}$ LINICONTROLLED DOCLIMENT



425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP

ANODE ← CATHODE

PN JUNCTION SILICON

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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.

ON	DIVCO	DIVITULL	ED DOCUMENT		
	DATE:	01.15.13	DRAWN BY:	MA	
	PAGE:	1 OF 1	CHKD BY:	DT	
	SCALE:	NTS	APRVD BY:	DT	
	UNIT: mm [INCH]		(Pb)		