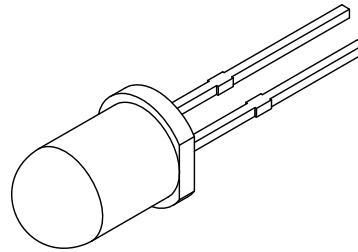
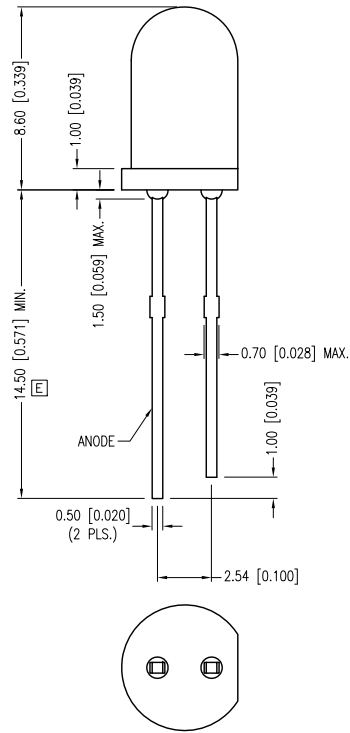
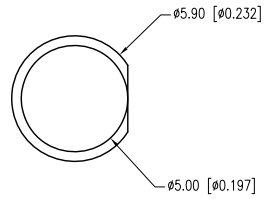


PART NUMBER	OED-CL-1L1	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.29.95	E.C.N. #10BRDR. & REDRAWN.		A
04.26.96	E.C.N. #10157.		B
01.05.98	E.C.N. #10BRDR.		C
11.14.02	E.C.N. #10BRDR. & REDRAWN.		D
02.14.12	E.C.N. #11806/10BRDR. & REDRAWN.		E



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		880		nm	
SPECTRAL BANDWIDTH		80		nm	
FORWARD VOLTAGE		1.9		Vf	$I_f=50\text{mA}$
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
RADIANT INTENSITY		30		mW/SR	$I_f=50\text{mA}$
HALF ANGLE		$\pm 10$		degrees	
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	100	mA
POWER DISSIPATION	190	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC.

\*  $t_p < 100\mu\text{s}$ ,  $t_p/T = 0.01$

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX.=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION



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

T-5mm x 8.6 HIGH PERFORMANCE INFRARED EMITTING DIODE, WATER CLEAR LENS.

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

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DATE:	02.14.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	--
SCALE:	NTS	APRVD BY:	--
UNIT:	mm [INCH]		(Pb)