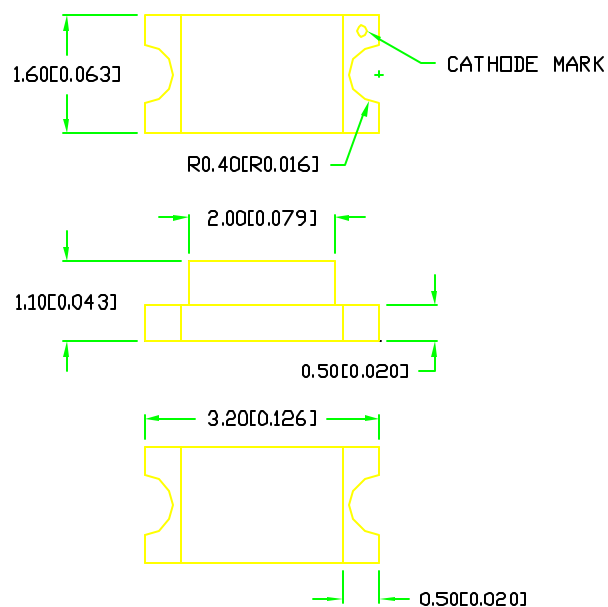


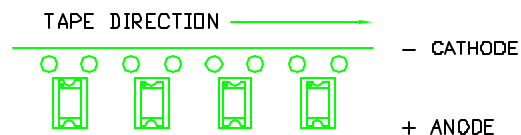
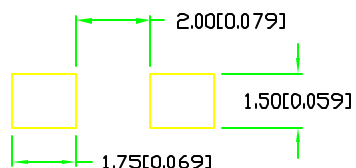
DATE	REVISIONS	REV
1-7-98	E.C.N. #10BRDR./	A

DRAWING NUMBER	REV
OED-EL1206C140	A



ANODE  CATHODE

PAD SIZE



UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE		1.2	1.6	V	$I_f = 20\text{ mA}$
REVERSE CURRENT			10	μA	$V_r = 5\text{ V}$
POWER OUTPUT	0.45	1.15		mW/sr	$I_f = 50\text{ mA}$
PEAK WAVELENGTH		940		nm	$I_f = 20\text{ mA}$
HALF ANGLE		± 70		degree	
LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	V
FORWARD CURRENT	50	mA
POWER DISSIPATION	80	mW
OPERATING TEMP.	-25 TO $+85$	$^\circ\text{C}$
STORAGE TEMP.	-30 TO $+85$	$^\circ\text{C}$
SOLDERING TEMP.	$+260$	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60087
(847) 359-2790

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DATE: 10-2-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

3.2 x 1.6mm P.C.B., SURFACE MOUNT LED, IR,
WATER CLEAR LENS, TAPE AND REEL

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