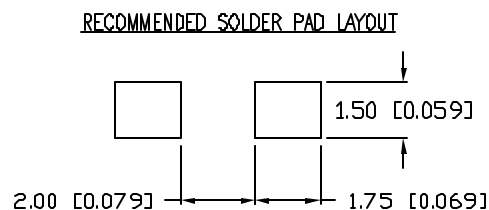
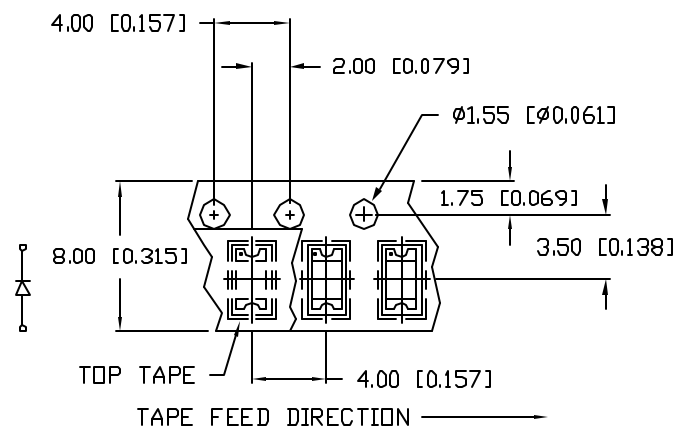
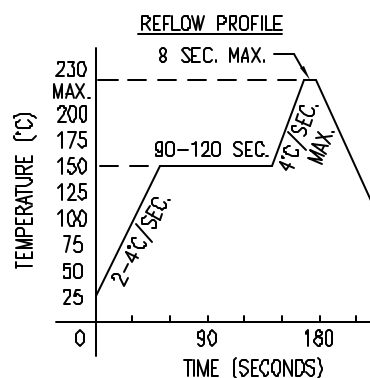
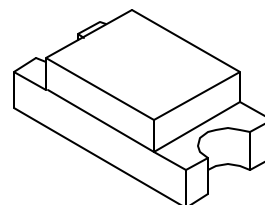
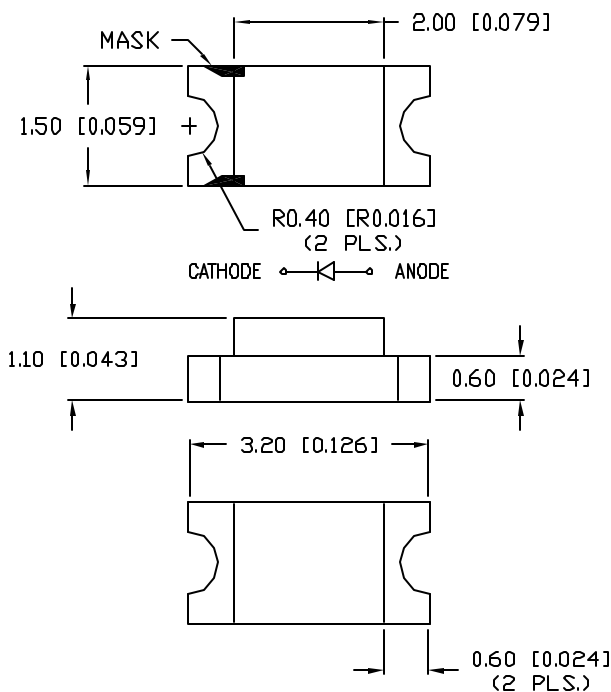


UNCONTROLLED DOCUMENT



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

PART NUMBER		REV.
OED-HP1206C140		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	12.18.97
B	E.C.N. #10878. & #10BRDR.	6.20.02

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e=5.0\text{mw/cm}^2$		0.42		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e=5.0\text{mw/cm}^2$		3		μA
DARK CURRENT	I_d	$V_r=10\text{V}$ $E_e=0.0\text{mw/cm}^2$			10	nA
TERMINAL CAPACITANCE	C_t	$V_r=3\text{V}$, $F=1\text{MHz}$		5		pF
RESPONSE TIME	T_r/T_f	$V_r=10\text{V}$, $R_l=1000\Omega$		6/6		nS
SPECTRAL SENSITIVITY	λ			400~1200		nm
PEAK WAVELENGTH	λ_p			980		nm
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

NOTES:

- 2,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE

- SHELF LIFE IN SEALED BAG:
12 MONTHS AT $<40^\circ\text{C}$ AND $<90\%$ RELATIVE HUMIDITY (RH).
- AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT $<30\%$ RH.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	OED-HP1206C140
1.6 x 3mm P.C.B., SURFACE MOUNT HIGH PERFORMANCE PHOTODIODE, WATER CLEAR LENS, TAPE AND REEL.	

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.

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.

		290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
DRAWN BY:	CHECKED BY:	APPROVED BY:
CT		
DATE:	10.2.97	
PAGE:	1 OF 1	
SCALE:	N/A	