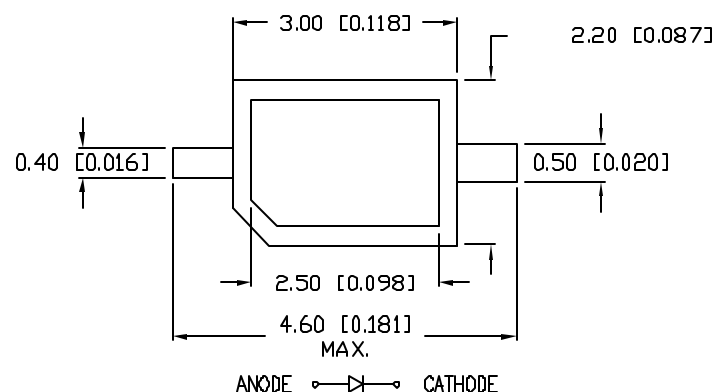
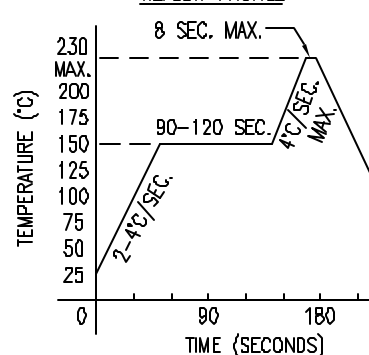


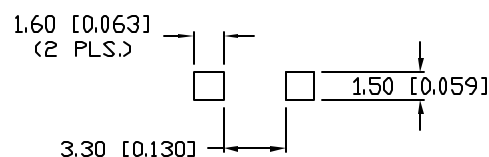
REFLOW PROFILE



NOTES:

1. SUPPLIED ON 12mm TAPE, 2,000 PIECES PER REEL.
2. THE CATHODE IS ORIENTED TOWARDS THE SPROCKET HOLE.

RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{OC}			0.42		V
SHORT CIRCUIT CURRENT	I_{SC}	$E_e=1\text{mW}/\text{cm}^2$ $\lambda_p=870\text{nm}$		1.2		μA
DARK CURRENT	I_D	$E_e=0\text{mW}/\text{cm}^2$ $V_R=10\text{V}$			10	nA
REVERSE LIGHT CURRENT	I_L			1.2		nA
TERMINAL CAPACITANCE	C_T			5		pF
RESPONSE TIME	T_R/T_F	$V_R=10\text{V}$ $R_L=1000$		6/6		nS
SPECTRAL SENSITIVITY	λ			400~1100		nm
PEAK WAVELENGTH	λ_p			880		nm
LENS COLOR				WATER 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	$^\circ\text{C}$

CAUTION: MOISTURE SENSITIVE DEVICE

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

*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= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

OED-HPI1725C130-TR

PIN PHOTO DIODE WITH

AXIAL LEAD WITH FLAT TOP AND MOLDED REFLECTOR,

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:

GB

CHECKED BY:

APPROVED BY:

DATE: 9.11.02

PAGE: 1 OF 1

SCALE: N/A