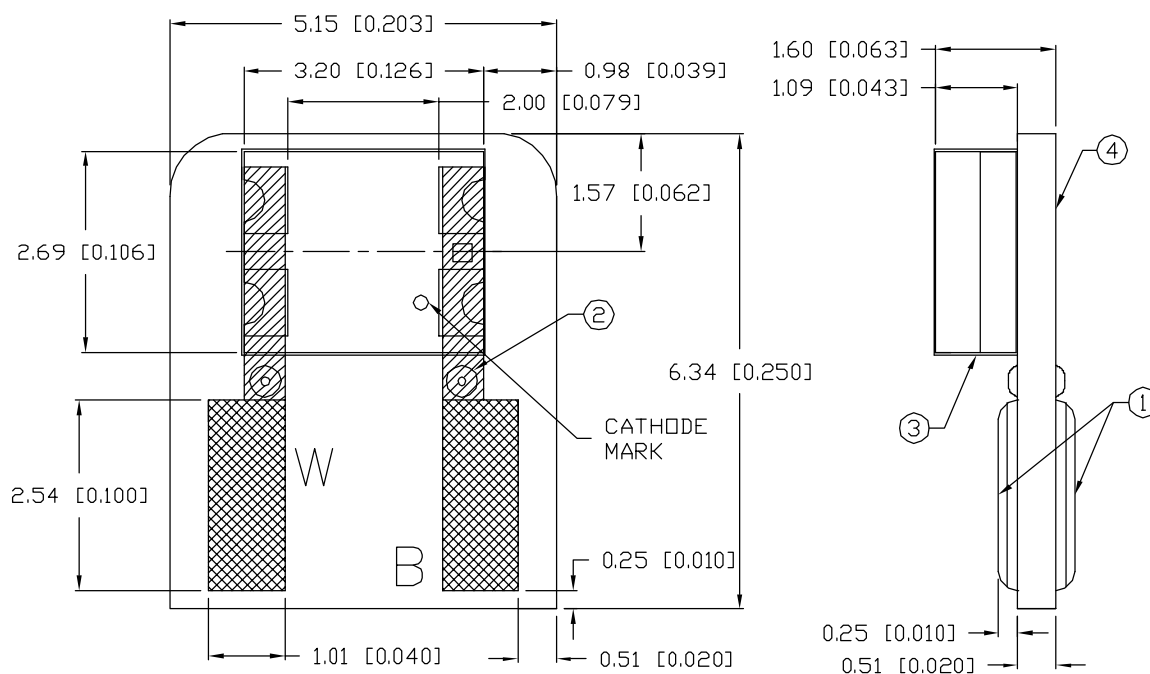


UNCONTROLLED DOCUMENT

PART NUMBER
OED-HPI121013534-2REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10997.	6.12.03

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e = 0.5\text{mw/cm}^2$		0.38		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e = 0.5\text{mw/cm}^2$		18		μA
DARK CURRENT	I_d	$V_r = 10\text{V}$		5	30	nA
		$E_e = 0.5\text{mw/cm}^2$				
TERMINAL CAPACITANCE	C_t	$V_r = 0\text{V}, F = 1\text{MHz}$		9		pF
RESPONSE TIME	T_r/T_f	$V_r = 10\text{V}, R_l = 1000\ \Omega$		18/18		nS
SPECTRAL SENSITIVITY	λ			400~1100		nm
PEAK WAVELENGTH	λ_p			900		nm
HALF ANGLE	$\Delta\theta$			± 80		DEG
LENS COLOR:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	33	V
POWER DISSIPATION	100	mW
OPERATING TEMP.	-25 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-25 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

NOTES:

1. SOLDER PADS TINNED.
2. FEED THRU. (2 PLS.).
3. OED-HPI1210C160-RT.
4. LXP-PCB13534-2.

UNCONTROLLED DOCUMENT

*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 PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

OED-HPI121013534-2

6mm x 5mm CUSTOM PHOTODIODE ASSEMBLY.

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:	DATE: 10.11.02
GB			PAGE: 1 OF 1
			SCALE: N/A