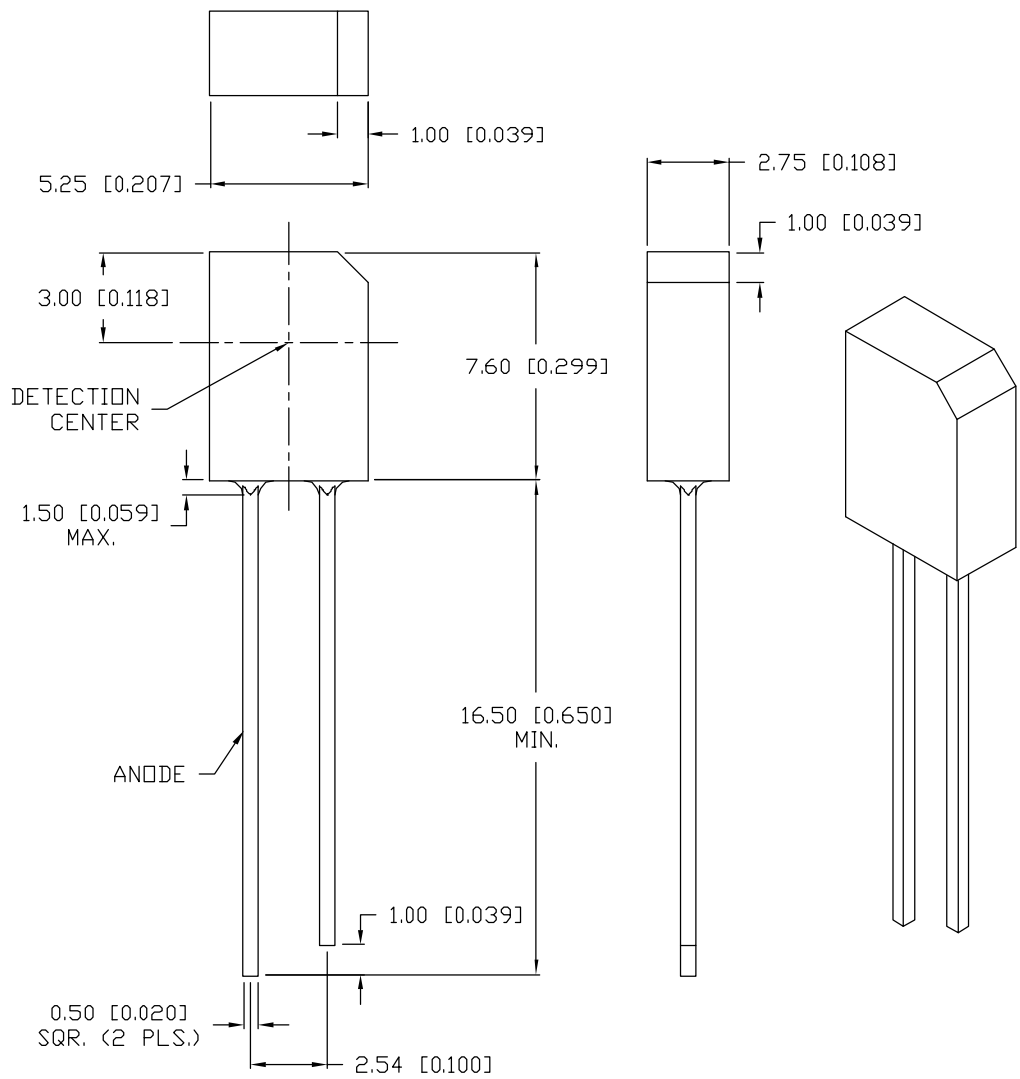


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OED-HPIR582L140		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.9.03



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH SENS.		980		nm	
SPECTRAL SENSITIVITY	840		1200	nm	
OPEN CIRCUIT VOLTAGE		0.35		V	$E_e=5.00\text{mW/cm}^2$
SHORT CIRCUIT CURRENT		80		$\mu\text{A}$	$E_e=5.00\text{mW/cm}^2$
DARK CURRENT			30	nA	$V_r=10\text{V}$
SWITCHING TIME		50		nS	$V_r=10\text{V}, R_l=1000\Omega$
TOTAL CAPACITANCE		25		pF	$E_e=0.0\text{mW/cm}^2$ $V_r=3\text{V}, F=1\text{MHz}$
HALF ANGLE		$\pm 70$		degrees	
EPOXY FINISH:	BLACK				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*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

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
A	OED-HPIR582L140

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290 E. HELEN ROAD  
 PALATINE, IL 60067-6976  
 PHONE: +1.847.359.2790  
 US WEB: www.lumex.com  
 TW WEB: www.lumex.com.tw

5mm x 8mm RECTANGULAR, RIGHT ANGLE PHOTODIODE.

**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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
BC			12.18.97
			PAGE: 1 OF 1
			SCALE: N/A