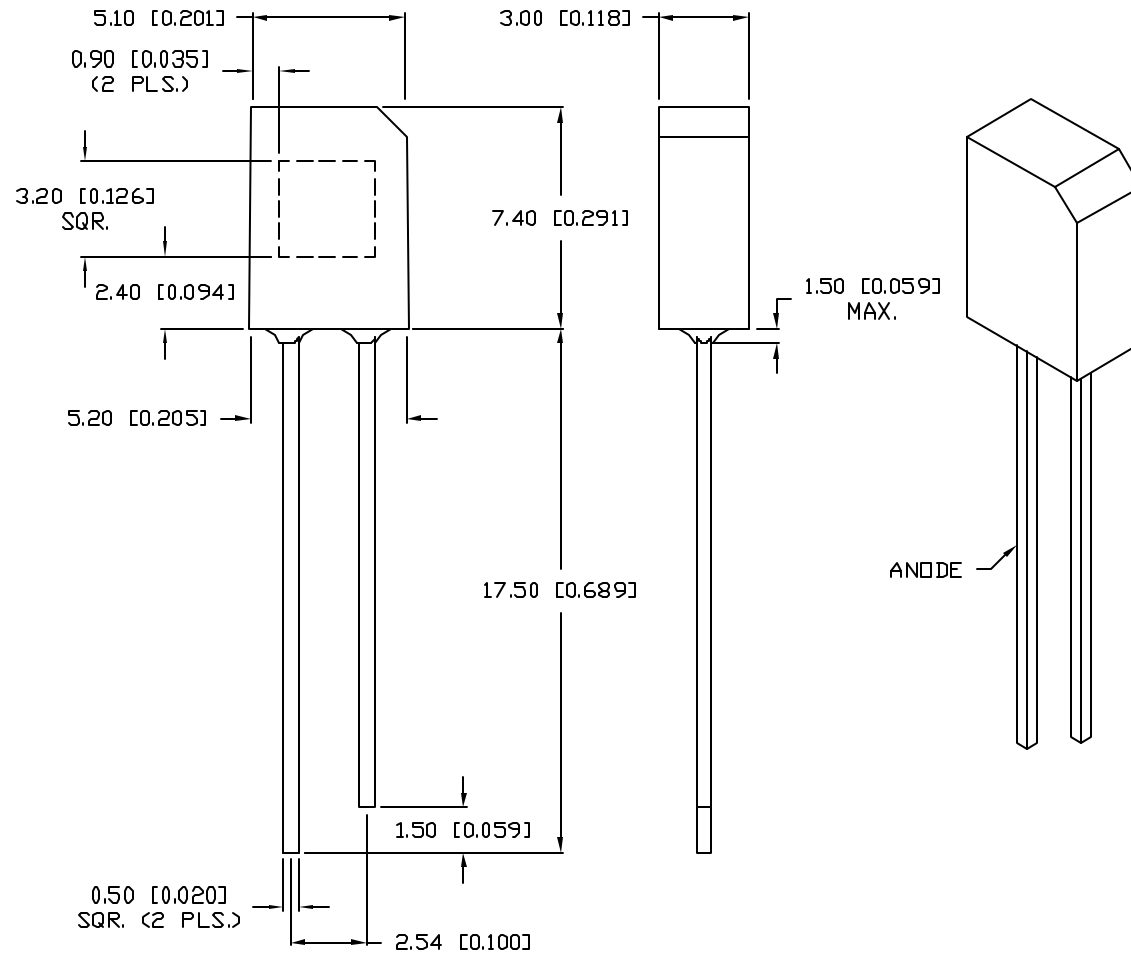


UNCONTROLLED DOCUMENT

PART NUMBER  
OED-HPR572L140

REV.  
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.7.02



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH SENS.		900		nm	
SPECTRAL SENSITIVITY	700		1000	nm	
OPEN CIRCUIT VOLTAGE		0.35		V	$E_e = 0.15 \text{ mW/cm}^2$
SHORT CIRCUIT CURRENT		80		$\mu\text{A}$	$E_e = 0.15 \text{ mW/cm}^2$
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		$\pm 60$		degrees	
EPOXY FINISH:	BLACK				

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

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	20	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +80	$^\circ\text{C}$
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), 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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

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REV. A	PART NUMBER OED-HPR572L140
5mm x 7mm RECTANGULAR, RIGHT ANGLE PHOTODIODE, 700nm~1000nm SENSITIVITY.	

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**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.

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