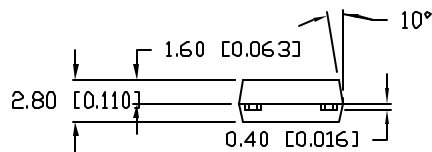
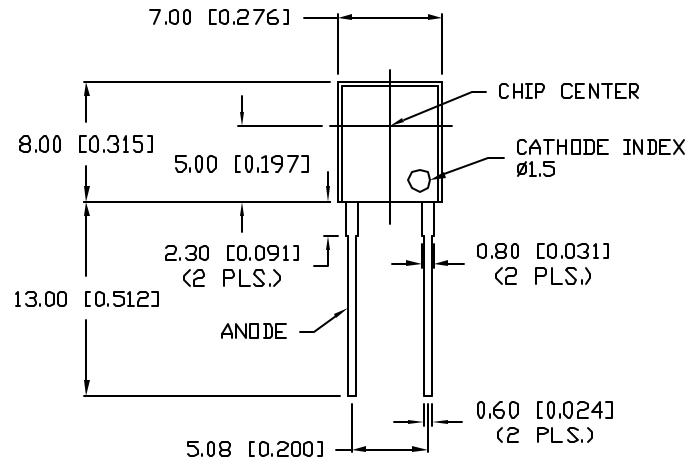


UNCONTROLLED DOCUMENT

PART NUMBER  
OED-HPI-5FDR4

REV.  
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10168.	5.20.96
B	E.C.N. #10BRDR.	12.31.97
C	E.C.N. #10BRDR.	3.10.03



ANODE  $\rightarrow$  CATHODE

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

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	$V_{oc}$	$E_e=0.5\text{mw/cm}^2$		0.35		V
SHORT CIRCUIT CURRENT	$I_{sc}$	$E_e=0.5\text{mw/cm}^2$	20	32		$\mu\text{A}$
DARK CURRENT	$I_d$	$V_r=10\text{V}$ $E_e=0.5\text{mw/cm}^2$			30	nA
TERMINAL CAPACITANCE	$C_t$	$V_r=3\text{V}$ , $F=1\text{MHz}$		175		pF
RESPONSE TIME	$T_r/T_f$	$V_r=10\text{V}$ , $R_l=1000\ \Omega$		50/50		nS
SPECTRAL SENSITIVITY	$\lambda$			450~1050		nm
PEAK WAVELENGTH	$\lambda_p$			900		nm
HALF ANGLE	$\Delta\theta$			$\pm 8$		DEG
LENS COLOR:		CLEAR				

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

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	35	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-30 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-40 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= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION MAX= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION

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REV. C	PART NUMBER OED-HPI-5FDR4
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T7 x 8mm RIGHT ANGLE, RECTANGULAR,  
PIN 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: GB	CHECKED BY:	APPROVED BY:	DATE: 3.10.03 PAGE: 1 OF 1 SCALE: N/A
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