

UNCONTROLLED DOCUMENT

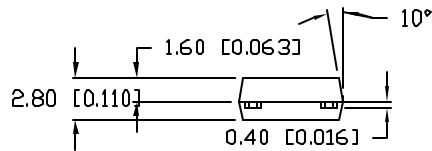
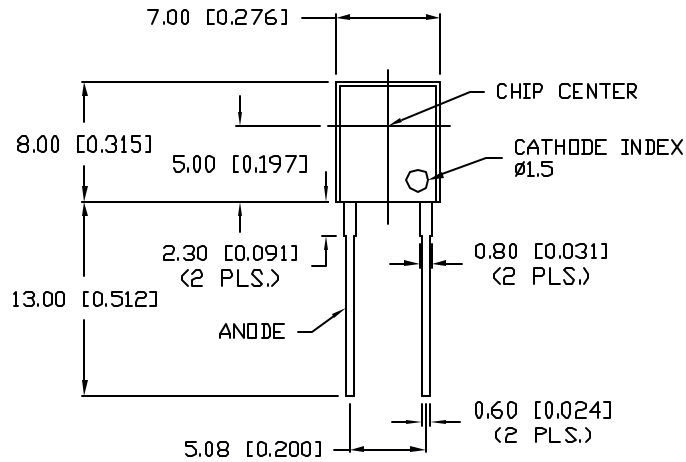
SUNSTAR传感器控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182E-MAIL: szss20@163.com

REV.

OED-HPI-5FDR4

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°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	35	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-30 TO +70	°C
STORAGE TEMP.	-40 TO +80	°C
SOLDERING TEMP.	+260	°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.= $\frac{+0.00}{-0.00}$  DECIMAL PRECISION, MAX.= $\frac{+0.00}{-0.00}$  DECIMAL PRECISION

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REV. C	PART NUMBER OED-HPI-5FDR4	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.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
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: _____ CHECKED BY: _____ APPROVED BY: _____ DATE: 3.10.03 PAGE: 1 OF 1 SCALE: N/A
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