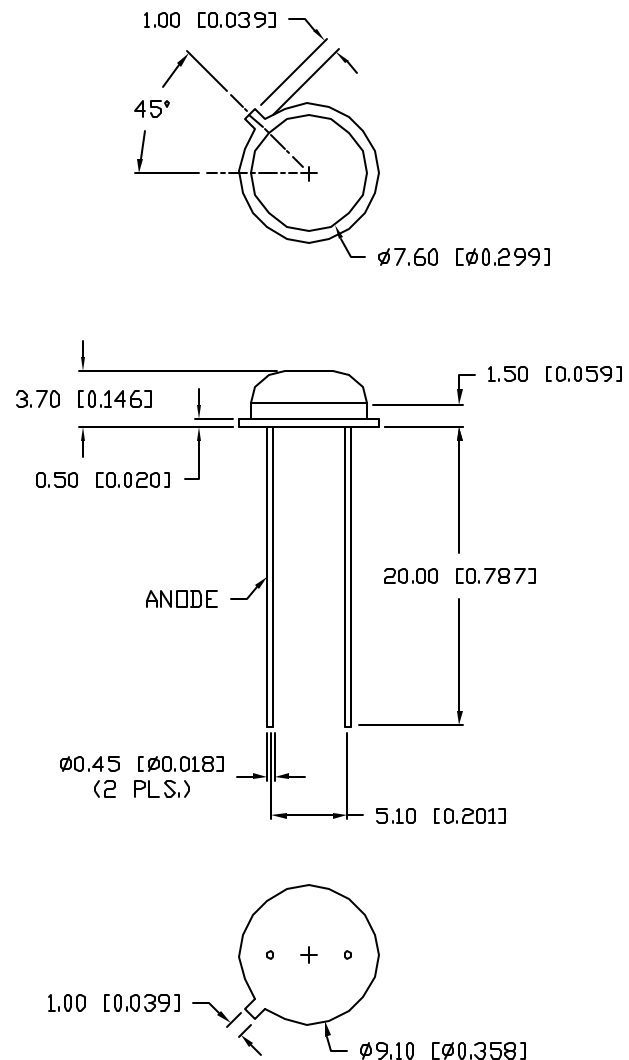


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-HP-3MLR2		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR.	12.18.97
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.8.03

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH SENS.		940		nm	
SPECTRAL SENSITIVITY	700		1000	nm	
OPEN CIRCUIT VOLTAGE		0.30		V	$E_e = 0.15 \text{ mW/cm}^2$
SHORT CIRCUIT CURRENT		60		μA	$E_e = 0.15 \text{ mW/cm}^2$
DARK CURRENT			10	μA	$V_r = 5 \text{ V}$
SWITCHING TIME		3.5		μs	$V_r = 10 \text{ V}, R_L = 1000 \Omega$
TOTAL CAPACITANCE		180		pF	$E_e = 0.0 \text{ mW/cm}^2$
					$V_r = 0 \text{ V}, F = 1 \text{ MHz}$
HALF ANGLE		± 60		degrees	
EPOXY FINISH:	CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	-20 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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.	PART NUMBER	CONFIDENTIAL INFORMATION		290 E. HELEN ROAD	
B	OED-HP-3MLR2	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.		PALATINE, IL 60067-6976	
TO-5 PACKAGE 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.		PHONE: +1.847.359.2790	
		DRAWN BY: BC		US WEB: www.lumex.com	
		CHECKED BY:		TW WEB: www.lumex.com.tw	
		APPROVED BY:		DATE: 8.11.92	
				PAGE: 1 OF 1	
				SCALE: N/A	

