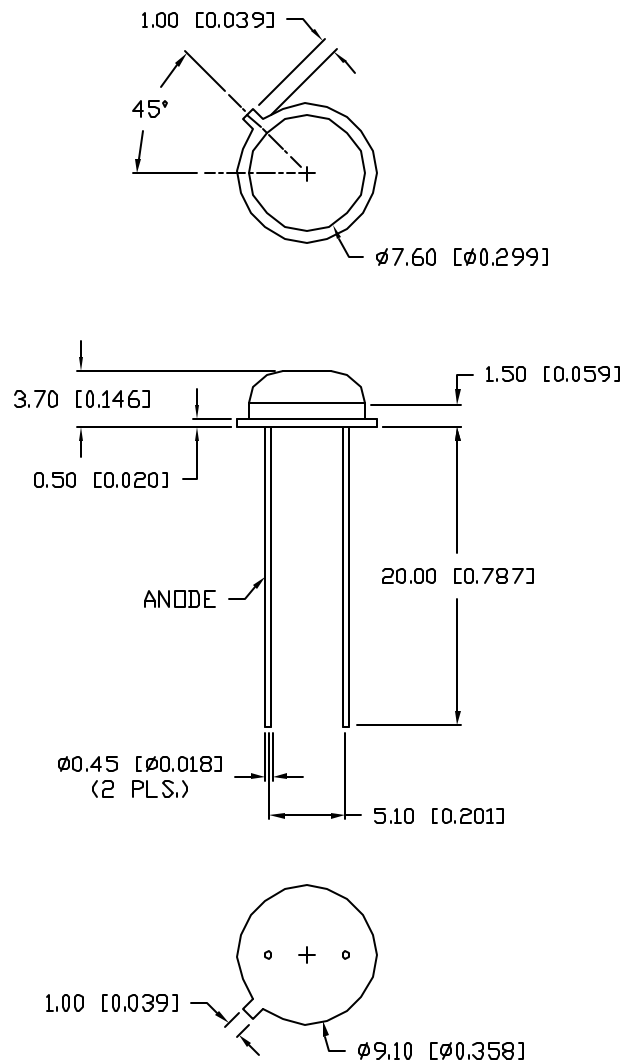


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PART NUMBER
OED-HP-3MLREV.
B

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.		900		nm	
SPECTRAL SENSITIVITY	450		1050	nm	
OPEN CIRCUIT VOLTAGE		0.38		V	$E_e = 0.15 \text{ mW/cm}^2$
SHORT CIRCUIT CURRENT		75		μA	$E_e = 0.15 \text{ mW/cm}^2$
DARK CURRENT			1	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	

*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.
BPART NUMBER
OED-HP-3ML

TO-5 PACKAGE PHOTODIODE.

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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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