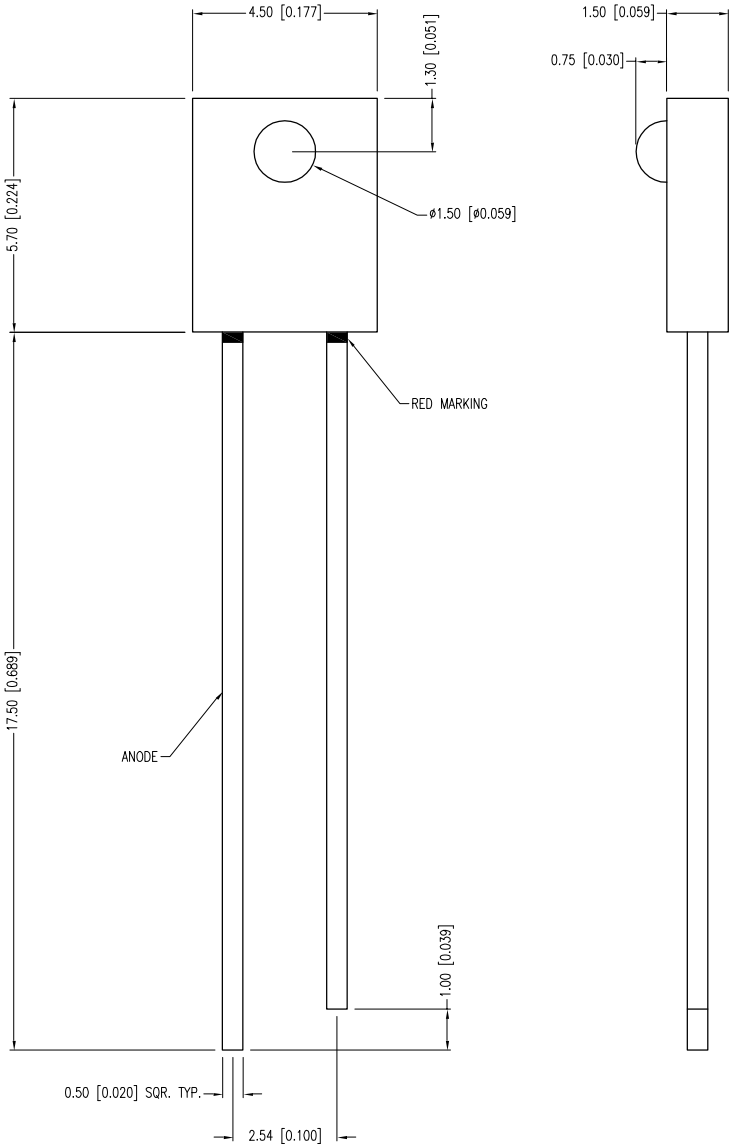


PART NUMBER	OED-CL-1556SN	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.11.97	E.C.N. #10330.		A
10.08.97	E.C.N. #10BRDR.		B
12.19.02	E.C.N. #10BRDR. & REDRAWN IN 3D.		C
03.29.05	E.C.N. #11232.		D
05.16.07	E.C.N. #11148.		E



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		880		nm	
SPECTRAL BANDWIDTH		70		nm	
FORWARD VOLTAGE		1.3	1.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=10\mu\text{A}$
RADIANT INTENSITY	5.2	6.5		mW/SR	$I_f=50\text{mA}$
HALF ANGLE		$\pm 15$		DEGREES	
[A] EPOXY LENS FINISH: WATER CLEAR LENS					

LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	mA
STEADY CURRENT	60	mA
POWER DISSIPATION	80	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-20 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10\mu\text{s}$

\*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= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX.= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub> UNCONTROLLED DOCUMENT



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RIGHT ANGLE, DOMED 880nm INFRARED LED, WATER CLEAR LENS

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	12.02.94	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	--
SCALE:		APRVD BY:	--
UNIT:	mm [INCH]		(P)

# Mouser Electronics

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