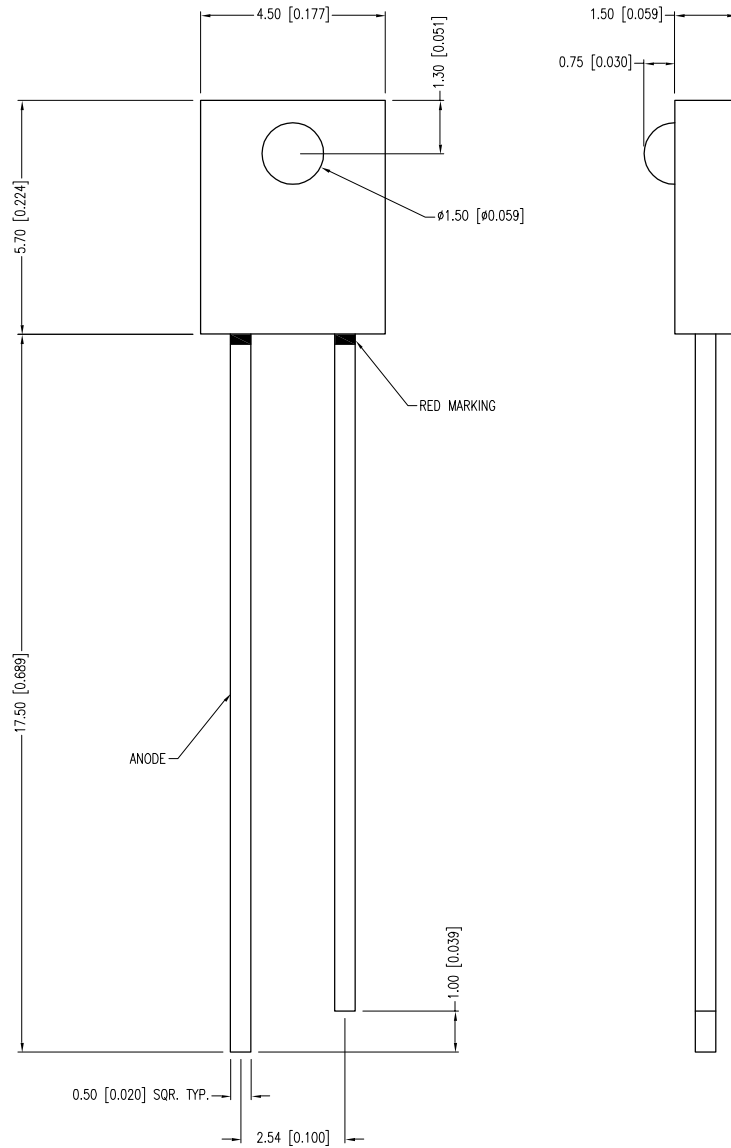


PART NUMBER	OED-CL-1556SN	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.11.97	E.C.N. #10330.		A
10.08.97	E.C.N. #10BRDR.		B
12.19.02	E.C.N. #10BRDR. & REDRAWN IN 3D.		C
03.29.05	E.C.N. #11232.		D
05.16.07	E.C.N. #11148.		E



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	$I_f=10\mu\text{A}$
RADIANT INTENSITY	5.2	6.5		mW/SR	$I_f=50\text{mA}$
HALF ANGLE		± 15		DEGREES	

[A] EPOXY LENS FINISH: WATER CLEAR LENS

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	mA
STEADY CURRENT	60	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

*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} 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]		(R)