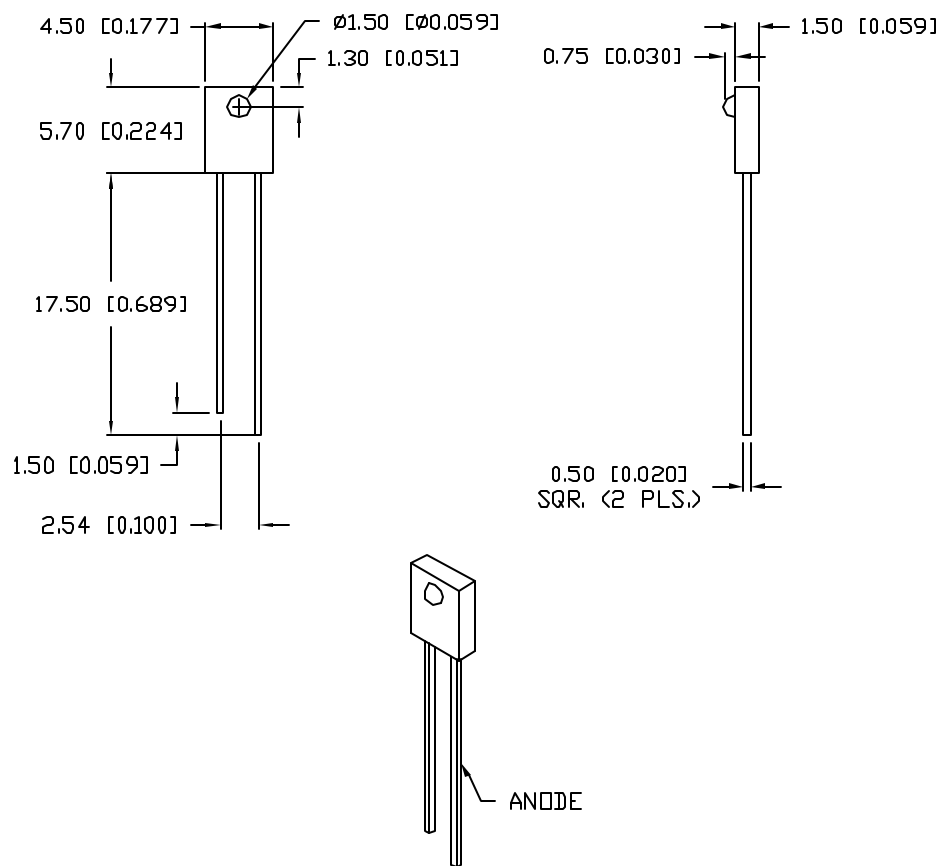


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OED-CL-1556SN-RP		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	12.19.02



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/str	$I_f=20\text{mA}$
HALF ANGLE		15		deg	

EPOXY LENS FINISH: WATER CLEAR

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

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

\*  $t_p < 100\mu\text{s}$ ,  $t_p/T = 0.01$

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\*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= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION, MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

REV.	PART NUMBER
A	OED-CL-1556SN-RP
RIGHT ANGLE, DOMED 880nm INFRARED LED, YELLOW TRANSPARENT LENS.	

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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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