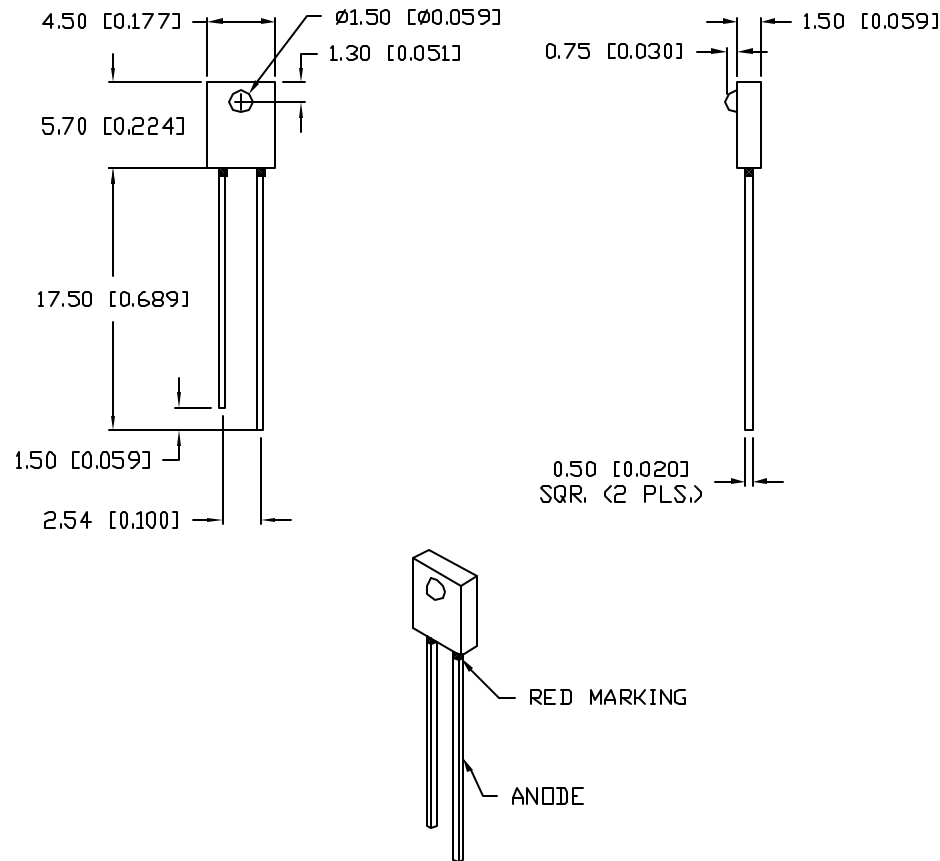


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-CL-1556SN-RP		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	12.19.02
B	E.C.N. #11185.	11.09.04
C	E.C.N. #11232.	3.29.05
D	E.C.N. #11148.	5.18.07

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°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	60	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°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

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

*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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION		290 E. HELEN ROAD	
D	OED-CL-1556SN-RP	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	
RIGHT ANGLE, DOMED 880nm INFRARED LED, WATER CLEAR LENS.		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: JC		CHECKED BY:	
				APPROVED BY:	
				DATE: 12.29.97	
				PAGE: 1 OF 1	
				SCALE: N/A	



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