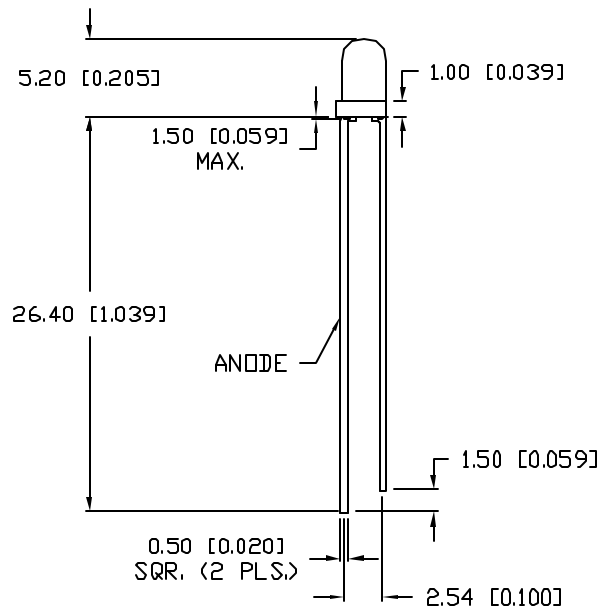
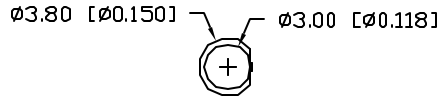


UNCONTROLLED DOCUMENT

PART NUMBER
OED-CL3054B33

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #110690.	12.12.00
B	E.C.N. #10BRDR.	11.14.02



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		875		nm	
SPECTRAL BANDWIDTH		80		nm	
FORWARD VOLTAGE		1.3	1.6	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=10\mu\text{A}$
RADIANT INTENSITY		6.4		mW/SR	$I_f=20\text{mA}$
HALF ANGLE		± 15		degrees	

EPOXY LENS FINISH: BLUE TRANSPARENT

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
▣ PEAK FORWARD CURRENT*	1	A
STEADY CURRENT	50	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°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= ^{+DECIMAL PRECISION} -0.00 ^{MAX.= +0.00} -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. B	PART NUMBER OED-CL3054B33
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290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-3mm (T-1) INFRARED EMITTING DIODE,
HIGH PERFORMANCE, BLUE TRANSPARENT 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.

DRAWN BY: GT	CHECKED BY:	APPROVED BY:	DATE: 12.29.97
			PAGE: 1 OF 1
			SCALE: N/A