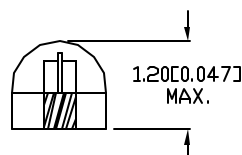
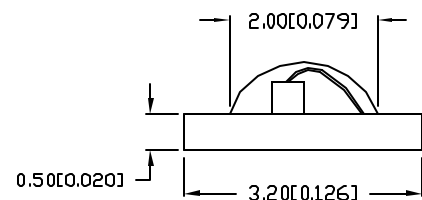


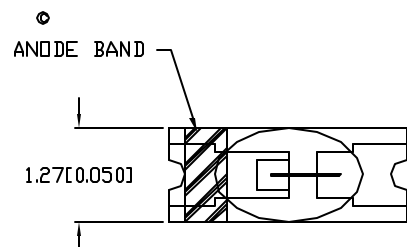
DATE	REVISIONS	REV
1-5-98	E.C.N. #10BRDR./	A
3-10-98	E.C.N. #10422./	B
8-27-98	E.C.N. #10454./ POLARITY CORRECTION	C

DRAWING NUMBER
OED-CL-44A

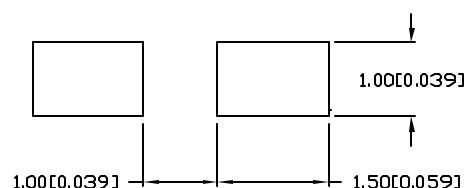
REV
C



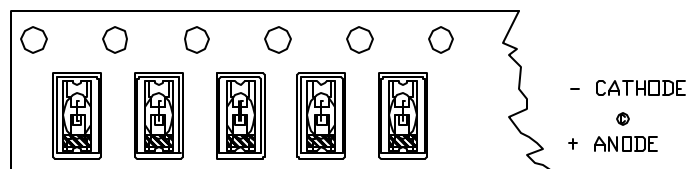
ANODE CATHODE



SOLDER PAD LAYOUT



FEED DIRECTION →



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE		1.5		V	$I_f = 100\text{mA}$
REVERSE CURRENT			10	μA	$V_r = 5\text{V}$
POWER OUTPUT		3.7		mW/sr	$I_f = 100\text{mA}$
PEAK WAVELENGTH		880		nm	$I_f = 20\text{mA}$
HALF ANGLE		± 85		degree	
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	5	V
FORWARD CURRENT	75	mA
POWER DISSIPATION	130	mW
OPERATING TEMP.	-20 TO $+80$	$^\circ\text{C}$
STORAGE TEMP.	-30 TO $+100$	$^\circ\text{C}$
SOLDERING TEMP.	$+240$	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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DATE: 8-16-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

CERAMIC CHIP, SURFACE MOUNT INFRARED EMITTING LED,
WATER CLEAR LENS, TAPE AND REEL

PAGE 1 OF 1	DRAWING NUMBER OED-CL-44A	REV C
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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)