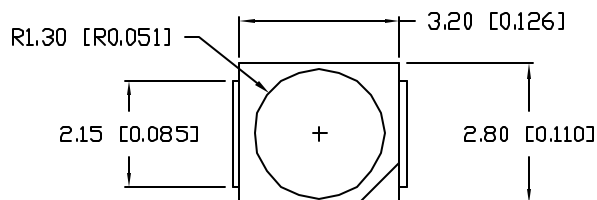
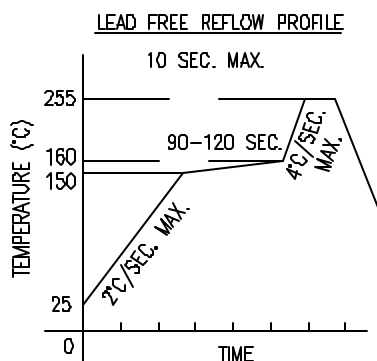
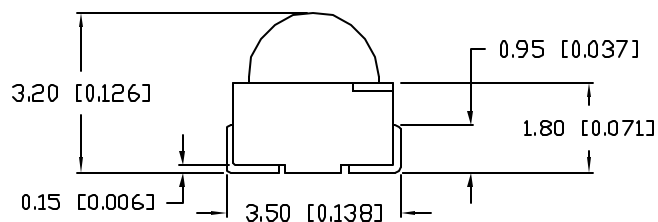


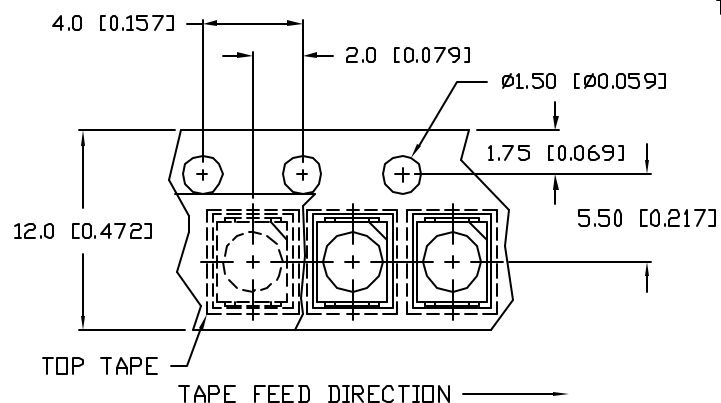
UNCONTROLLED DOCUMENT



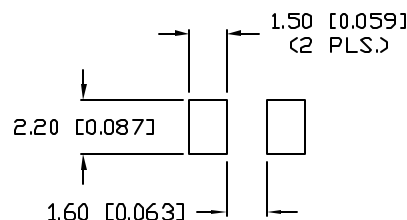
CATHODE ANODE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	REV.
OED-750L2832C44-TR	C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11233.	4.4.05
B	E.C.N. #11258.	7.12.05
C	E.C.N. #11148.	5.4.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		750		nm	
SPECTRAL BANDWIDTH		35		nm	
FORWARD VOLTAGE		1.8	2.0	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =10μA
RADIANT INTENSITY		24		mW/SR	I _f =50mA
HALF ANGLE		±22		degrees	
POXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	A
STEADY CURRENT	100	mA
POWER DISSIPATION	190	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +80	°C
STORAGE TEMP.	-30 TO +80	°C

* $t_g < 100 \mu s$, $t_D/T = 0.01$

NOTES:

1. THE POLARITY MARK IS ORIENTED
TOWARDS THE TAPE SPROCKET HOLE.



UNCONTROLLED DOCUMENT

*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

REV. C	PART NUMBER OED-750L2832C44-TR	CONFIDENTIAL INFORMATION 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. 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.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw	DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 3.28.05 PAGE: 1 OF 1 SCALE: N/A
2.8mm x 3.2mm SMT LED WITH LENS AND REFLECTOR, 750nm LED, WATER CLEAR LENS.							