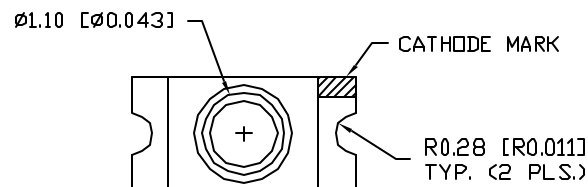
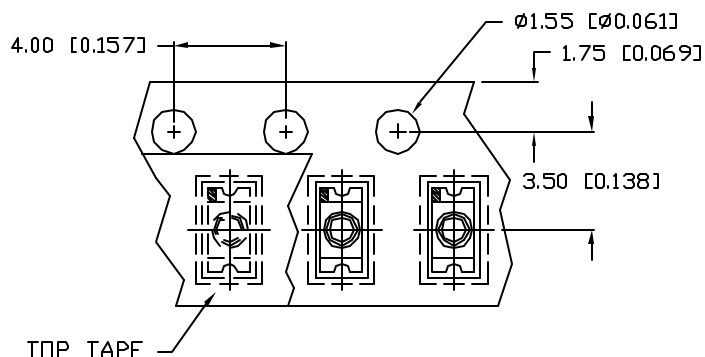
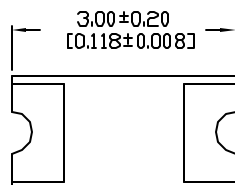
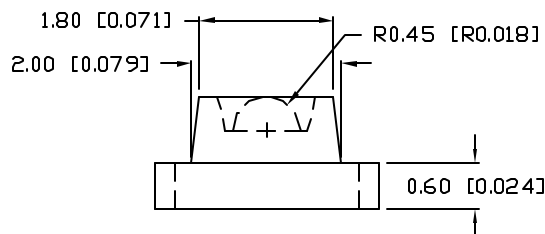


UNCONTROLLED DOCUMENT



TOP VIEW POLARITY
ANODE $\circ \rightarrow$ CATHODE



TAPE FEED DIRECTION $\rightarrow$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

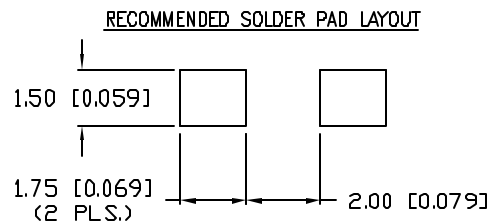
PART NUMBER
OED-CLL1206C75-TR

REV.
A

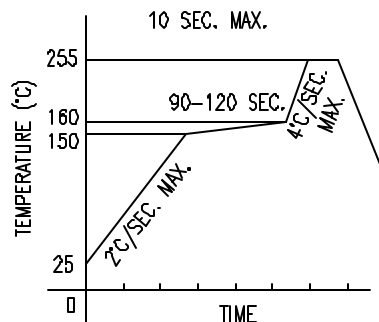
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.16.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST UNITS
FORWARD VOLTAGE		1.4	1.8	V	$I_f=50\text{mA}$
REVERSE VOLTAGE	5.0			V	$I_r=10\mu\text{A}$
POWER OUTPUT		2.0		mW/sr	$I_f=20\text{mA}$
BEAM HALF ANGLE		37.5		DEG.	
PEAK WAVELENGTH		850		nm	$I_f=20\text{mA}$
SPECTRAL BANDWIDTH		45		nm	$I_f=20\text{mA}$



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1.0	A
STEADY CURRENT	65	mA
POWER DISSIPATION	130	mW
DERATE FROM 25°C	-1.0	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

DUTY RATIO <1%, FREQUENCY = 1KHz

NOTES:

- 2,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

PK

UNCONTROLLED DOCUMENT

REV.
A

PART NUMBER
OED-CLL1206C75-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

3.0mm X 1.6mm PCB, SURFACE MOUNT LED WITH LENS,
INFRARED LED, WATER CLEAR LENS, TAPE AND REEL.

DRAWN BY: JC CHECKED BY: APPROVED BY: DATE: 7.15.05
PAGE: 1 OF 1
SCALE: N/A