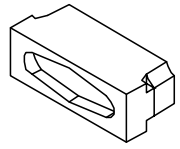
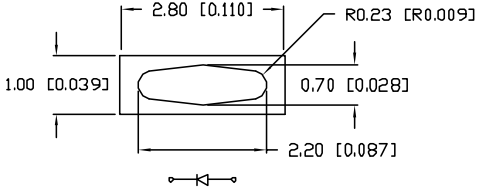


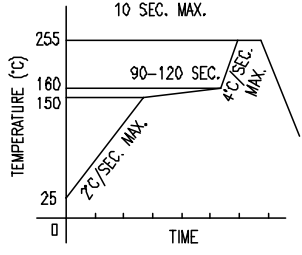
UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SML-LXR128UWC-TR		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	2.5.03
B	E.C.N. #11148.	10.15.07



CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	V <sub>f</sub>		3.5	4.0	V	I <sub>f</sub> =20mA
REVERSE VOLTAGE	V <sub>r</sub>	5			V	I <sub>r</sub> =10μA
AXIAL INTENSITY(*1)	I <sub>v</sub>		400		mcd	I <sub>f</sub> =20mA
CHROMATICITY	X		0.33			I <sub>f</sub> =20mA
COORDINATES(*2)	Y		0.34			I <sub>f</sub> =20mA
VIEWING ANGLE			90		2x theta	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			WATER CLEAR			

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

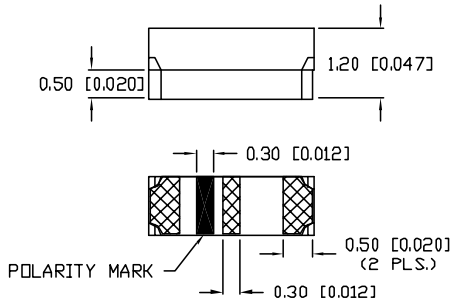
PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I <sub>p</sub>	180	mA
STEADY CURRENT	I <sub>F</sub>	30	mA
POWER DISSIPATION	P <sub>D</sub>	105	mW
OPERATING TEMP.	T <sub>OPR</sub>	-40 TO +85	°C
STORAGE TEMP.	T <sub>STG</sub>	-40 TO +85	°C

\*DUTY 1/10 PULSE WIDTH 10ms

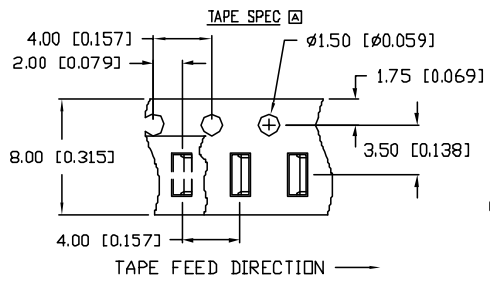
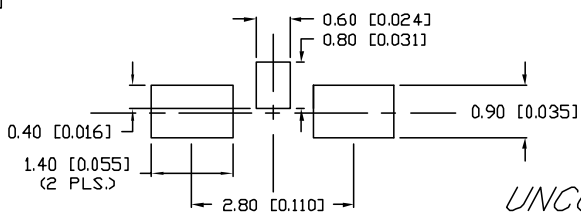
CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 4 STANDARDS

NOTES:

- 2000 PCS/REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



RECOMMENDED SOLDER PAD LAYOUT



\*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= -0.00, +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. B	PART NUMBER SML-LXR128UWC-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.	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
2.8mm x 1.0mm SMT LED, WHITE LED, RIGHT ANGLE MOUNT.		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: CT CHECKED BY: APPROVED BY: DATE: 8.20.02 PAGE: 1 OF 1 SCALE: N/A