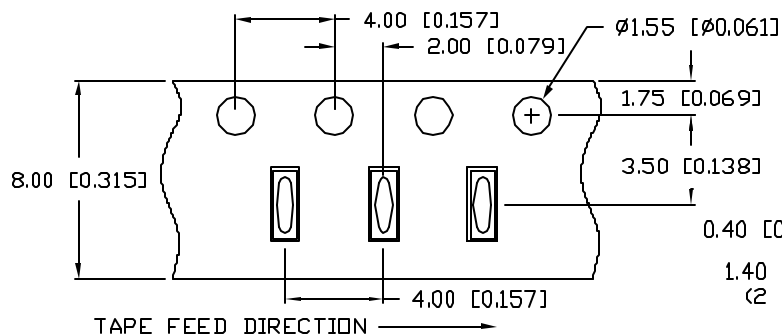
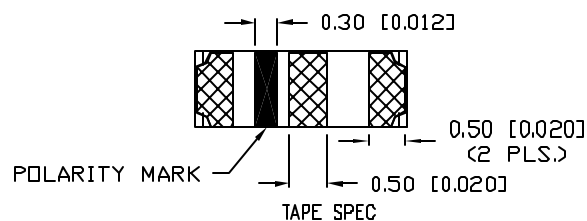
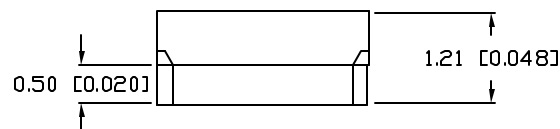
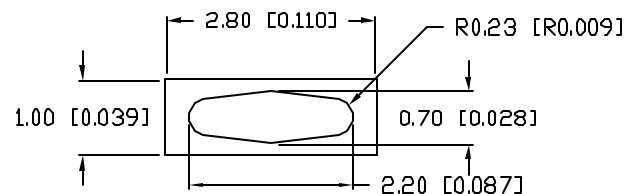


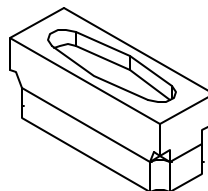
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



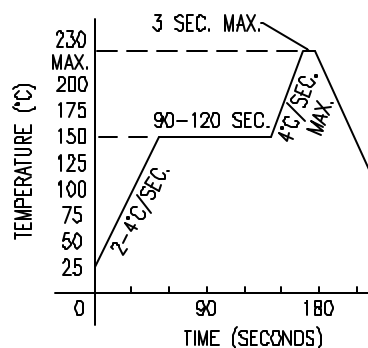
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

CAUTION: MOISTURE SENSITIVE DEVICE

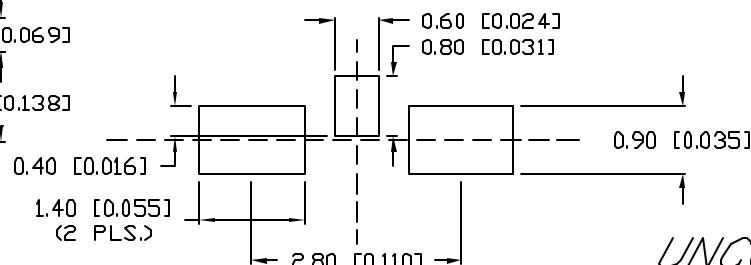
1. SHELF LIFE IN SEALED BAG:
12 MONTHS AT <40°C AND <90% RELATIVE HUMIDITY (RH).
2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE
MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.



REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	RANK A V _f	3.6		4.0	V	I _f =20mA
	RANK B V _f	3.2		3.6	V	I _f =20mA
REVERSE VOLTAGE	V _r	5			V	I _r =100μA
AXIAL INTENSITY(*1)	RANK M I _v	350		450	mcd	I _f =20mA
	RANK L I _v	300		350	mcd	I _f =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.

*COLOR RANK

(I_f=20mA, T_a=25°C)

	RANK C1			
X	0.287	0.283	0.330	0.330
Y	0.295	0.305	0.360	0.339

	RANK C2			
X	0.296	0.287	0.330	0.330
Y	0.276	0.295	0.339	0.318

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I _p	100	mA
STEADY CURRENT	I _F	30	mA
POWER DISSIPATION	P _D	120	mW
OPERATING TEMP.	T _{OPR}	-30 TO +85	°C
STORAGE TEMP.	T _{STG}	-40 TO +85	°C

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

1. 2000 PCS/REEL.
2. THE CATHODE IS ORIENTED
TOWARDS THE TAPE SPROCKET HOLE.

UNCONTROLLED DOCUMENT

REV.

PART NUMBER

SML-LXR128UWC/H-TR

2.8mm x 1.0mm SMT LED, WHITE LED.

CONFIDENTIAL INFORMATION

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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.



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DATE: 11.18.02

PAGE: 1 OF 1

SCALE: N/A