

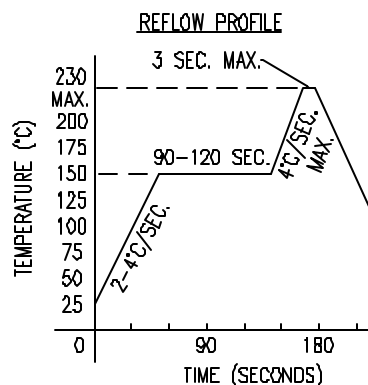
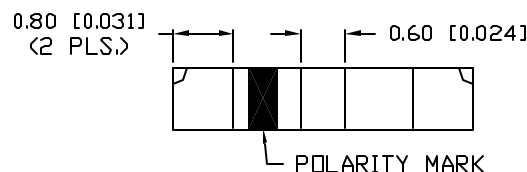
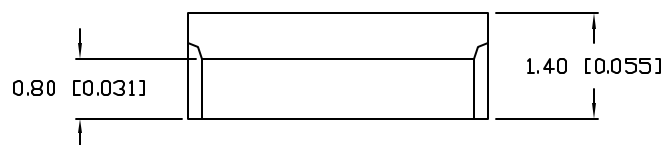
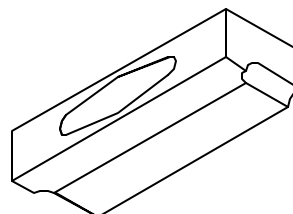
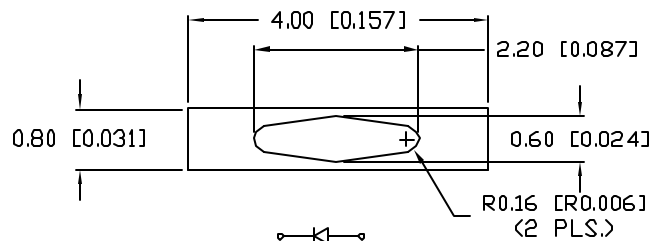
SML-LXR084UWC/H-TR

PRELIMINARY IN P/N DIR

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

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.

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	RANK A RANK B	3.6 3.2		4.0 3.6	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=100\mu\text{A}$
AXIAL INTENSITY(*1)	RANK M RANK L	350 300		450 350	mcd	$I_f=20\text{mA}$

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.

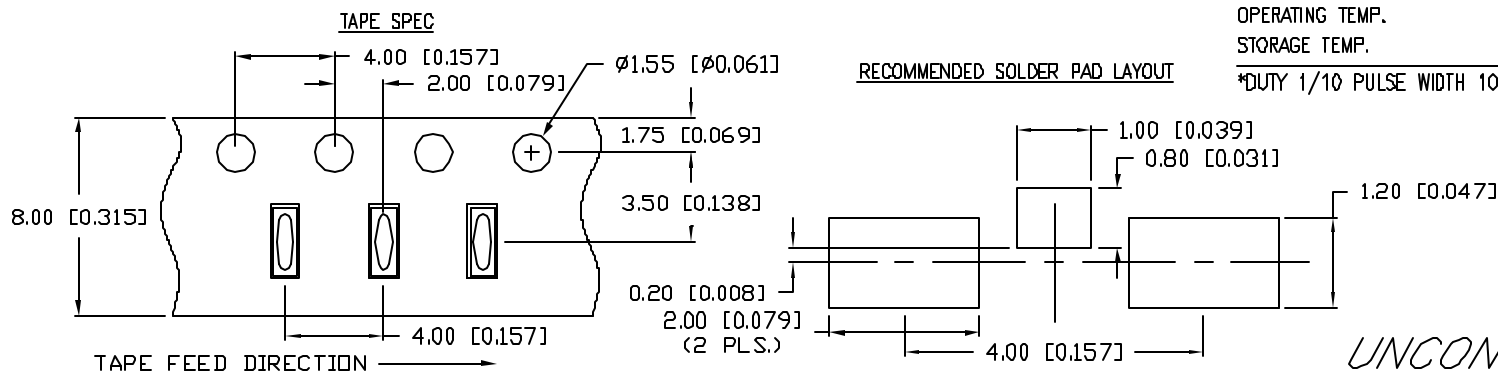
*COLOR RANK (If=20mA, $T_a=25^\circ\text{C}$)

	RANK C1					RANK C2			
X	0.287	0.283	0.330	0.330	X	0.296	0.287	0.330	0.330
Y	0.295	0.305	0.360	0.339	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	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +85	$^\circ\text{C}$

*DUTY 1/10 PULSE WIDTH 10ms



RECOMMENDED SOLDER PAD LAYOUT

NOTES:

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

UNCONTROLLED DOCUMENT

*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

REV.

PART NUMBER

SML-LXR084UWC/H-TR

4mm x 0.8mm 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.



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:

CHECKED BY:

APPROVED BY:

CT

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SCALE: N/A