

## Excellent Integrated System Limited

Stocking Distributor

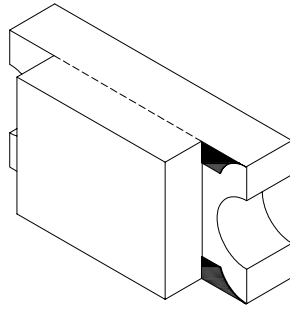
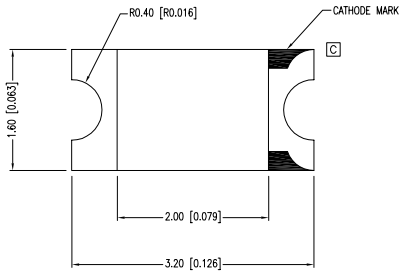
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[SML-LX1206UWW-TR](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX1206UWW-TR		REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.
03.14.03	E.C.N. #10967			A
01.20.05	E.C.N. #11148			B
01.07.08	E.C.N. #11466			C
03.09.09	E.C.N. #11508			D
08.04.10	E.C.N. #11644			E
04.20.11	E.C.N. #10BRDR & REDRAWN			F

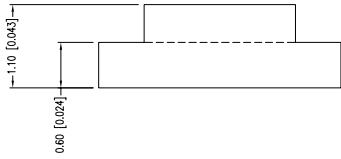


ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	If=20mA
REVERSE VOLTAGE	5.0			Vr	If=10mA
AXIAL INTENSITY*		90		mcd	If=20mA
CHROMATICITY (X)		0.31			If=20mA
COORDINATES (Y)**		0.23			If=20mA
VIEWING ANGLE		140		2x theta	

EMITTED COLOR: WHITE  
EPOXY LENS FINISH: YELLOW DIFFUSED  
\*AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.  
\*\*THE ICI STANDARD COLORIMETRIC SYSTEM.

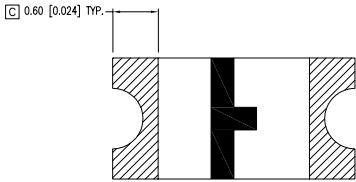
ANODE CATHODE



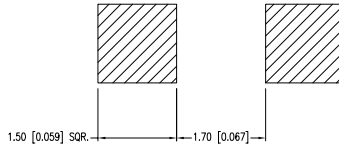
[E] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	80	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	70	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

\* I<sub>T</sub>10µs



[C] RECOMMENDED SOLDER PAD LAYOUT



- [D] [A] CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS
- 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 (±0.039), 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= -DECIMAL PRECISION UNCONTROLLED DOCUMENT

**LUMEX**  
Creating LED and LCD Solutions Together™

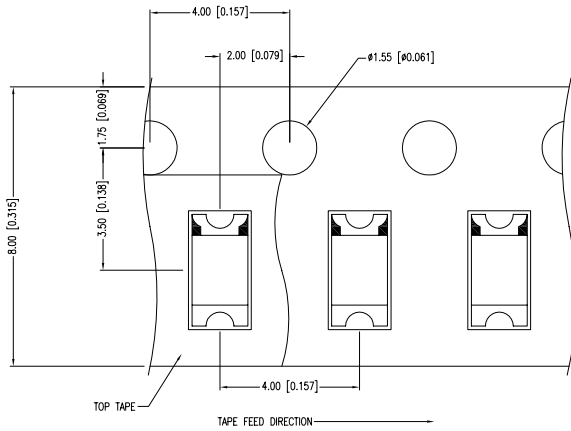
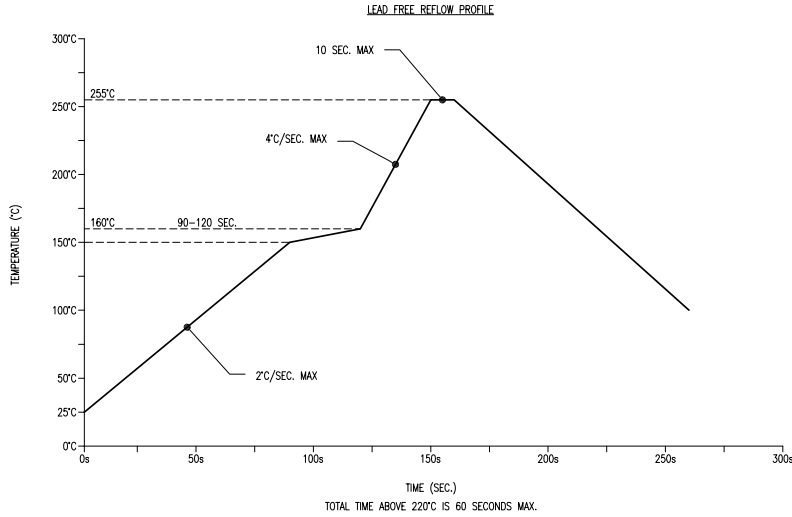
290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

3.2mm x 1.6mm PCB SURFACE MOUNT LED, ULTRA WHITE LED, YELLOW DIFFUSED, TAPE & REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE: 04.20.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	



NOTES:  
 1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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