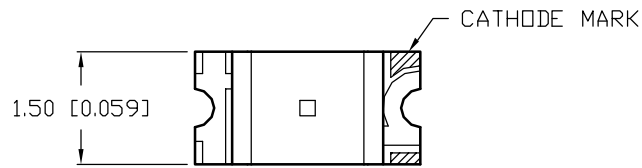
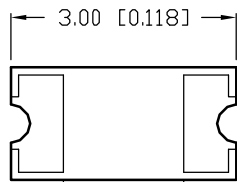
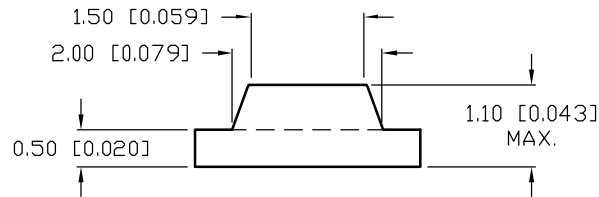


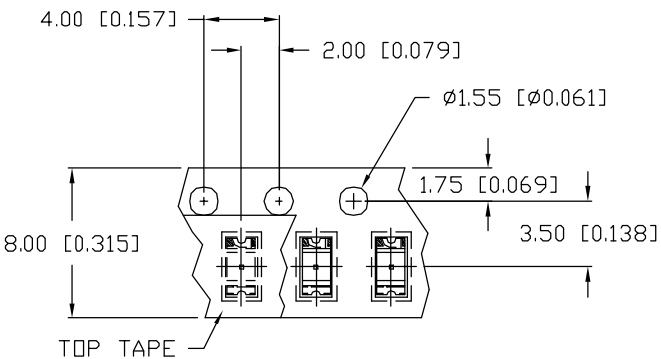
UNCONTROLLED DOCUMENT



ANODE CATHODE

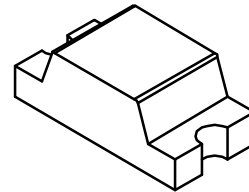


1.60 [0.063]

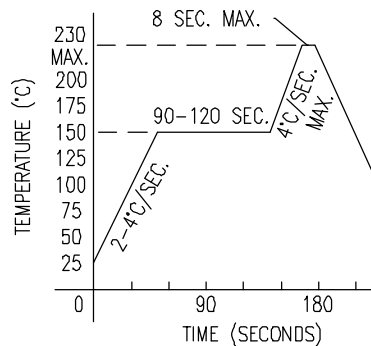


TAPE FEED DIRECTION →

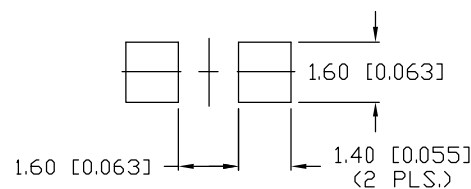
\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup> -0.00 MAX= <sup>+0.00</sup> -DECIMAL PRECISION



REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SML-LX1106SUGC-TR		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10967.	3.14.03

ELECTRO-OPTICAL CHARACTERISTICS T<sub>A</sub>=25°C I<sub>f</sub>=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	V <sub>f</sub>	I <sub>f</sub> =20mA
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100µA
AXIAL INTENSITY		45		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

\* t<10µS

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

**CAUTION: MOISTURE SENSITIVE DEVICE**  
PER JEDEC LEVEL 4 STANDARDS

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
A	SML-LX1106SUGC-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

3mm x 1.5mm SURFACE MOUNT LED,  
574nm SUPER ULTRA GREEN LED,  
WATER CLEAR LENS, TAPE AND REEL.

**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:	CHECKED BY:	APPROVED BY:	DATE:
BC			1.8.01
			PAGE: 1 OF 1
			SCALE: N/A