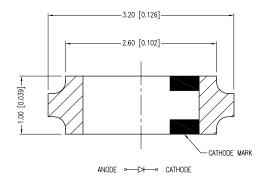
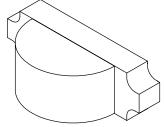
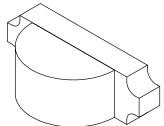
UNCONTROLLED DOCUMENT





		2.00 [0.079]	-
-1.50 [0.059]	0.50 [0.020]		



ELECTRO-OPTICAL	CHARACTERISTICS 1	A =25°C	If= 20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100uA

70

160

SML-LXR85SIC-TR

E.C.N. NUMBER AND REVISION COMMENTS

REV.

mcd

2x theta

If=20mA

С

REV.

Α В

LIMITS	OF	SAFF	OPERATION	ΑT	25°C

AXIAL INTENSITY

VIEWING ANGLE

EMITTED COLOR:

EPOXY LENS FINISH:

E.C.N. #10BRDR./ #10771.

E.C.N. #10BRDR. & REDRAWN/ #11704.

RED

WATER CLEAR

E.C.N. #11248.

PART NUMBER

DATE

07.30.01

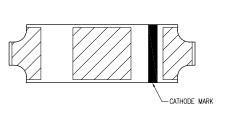
08.12.05

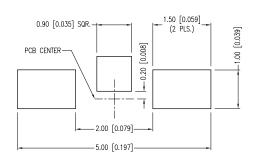
03.18.11

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-25 TO +85	•c
STORAGE TEMP.	-30 TO +85	•c
* t<10uS	-30 10 +85	7(

C CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT





*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= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION UNCONTROLLED DOCUMENT 290 E. HELEN ROAD 0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 636nm RED, WATER CLEAR LENS, 3K PER REEL.



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

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UNIT: mm [INCH]		(Pb)		
SCALE:	NTS	APRVD BY:	.ID	
PAGE:	1 OF 2	CHKD BY:	JD	
DATE:	03.18.11	DRAWN BY:	AB	

UNCONTROLLED DOCUMENT SML-LXR85SIC-TR PART NUMBER REV. С DATE E.C.N. NUMBER AND REVISION COMMENTS REV. B LEAD FREE REFLOW PROFILE 07.30.01 E.C.N. #10BRDR./ #10771. Α В 08.12.05 E.C.N. #11248. 300°C E.C.N. #10BRDR. & REDRAWN/ #11704. 10 SEC. MAX -03.18.11 250°C 4°C/SEC. MAX -200°C TEMPERATURE (°C) 90-120 SEC. NOTES: 150°C 1. 3,000 PIECES PER REEL. 2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE. 100°C

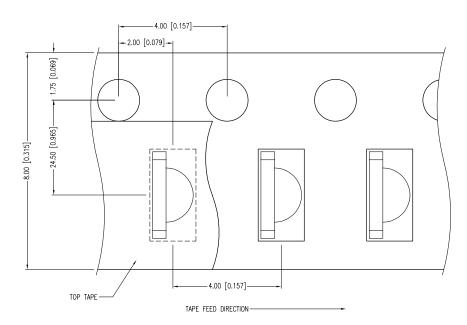
> TIME (SEC.) TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

150s

2°C/SEC. MAX

100s

50s



*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= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). UNCONTROLLED DOCUMENT



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50°C 25°C 0.C+

0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 636nm RED, WATER CLEAR LENS, 3K PER REEL.

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200s

250s

300s

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DATE: 03.18.11 DRAWN BY: AΒ PAGE: 2 OF 2 CHKD BY: JD SCALE: NTS APRVD BY: JD (19) UNIT: mm [INCH]