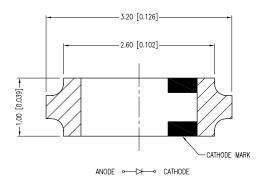
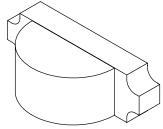
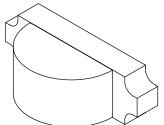
UNCONTROLLED DOCUMENT





	2.00 [0.079]	



ELECTRO-OPTICAL	CHARACTERISTICS	TA =25°C	If=20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		4.0	4.7	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		8		mcd	If=20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISI	H: WATER	CLEAR			

SML-LXR85SBC-TR

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

E.C.N. NUMBER AND REVISION COMMENTS

REV.

В

REV.

Α

LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	MAX	UNITS	
PEAK FORWARD CURRENT*	100	mA	
STEADY CURRENT	25	mA	
POWER DISSIPATION	70	mW	

DERATE FROM 25°C -1.2 mW/°C OPERATING TEMP. -25 TO +85 •C -30 TO +85 STORAGE TEMP.

* t<10µS

PART NUMBER

DATE

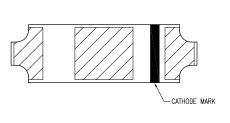
08.12.05

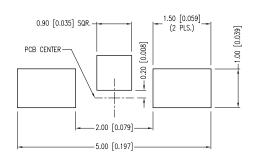
03.18.11

E.C.N. #11248.

В 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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= $^{+0.00}_{-0.00}$ MAX.= $^{+0.$ UNCONTROLLED DOCUMENT



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

0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 430nm BLUE, WATER CLEAR LENS, 3K PER REEL.

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

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	SCALE:	NTS	APRVD BY:	JD
	Pb			

UNCONTROLLED DOCUMENT SML-LXR85SBC-TR PART NUMBER REV. В DATE E.C.N. NUMBER AND REVISION COMMENTS REV. A LEAD FREE REFLOW PROFILE 08.12.05 E.C.N. #11248. Α 03.18.11 E.C.N. #10BRDR. & REDRAWN/ #11704. 300°C 10 SEC. MAX -250°C 4°C/SEC. MAX 200°C TEMPERATURE (°C) 90-120 SEC. NOTES: 150°C

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

150s

200s

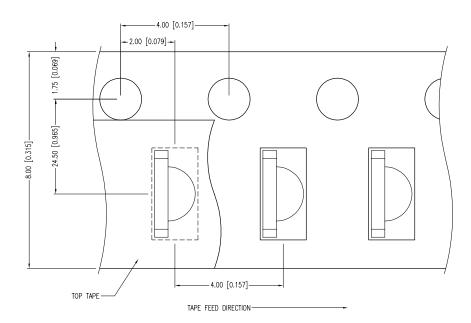
250s

300s

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= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.000}$ MAX.= $^{+0.000}_{-0.000}$ MAX.= UNCONTROLLED DOCUMENT



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100°C

50°C 25°C 0.C -

0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 430nm BLUE, WATER CLEAR LENS, 3K PER REEL

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PAGE:	2 OF	2	CHKD BY:	JD	
SCALE:	NTS		APRVD BY:	JD	
UNIT: mm [INCH]		(P4)			

1. 3,000 PIECES PER REEL.

2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.