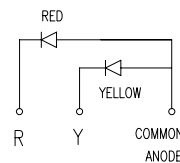
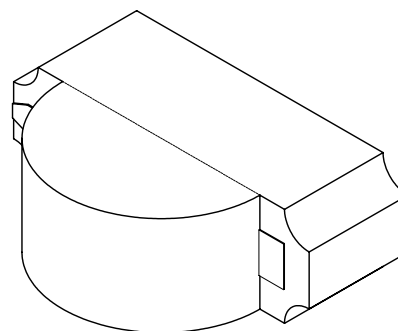
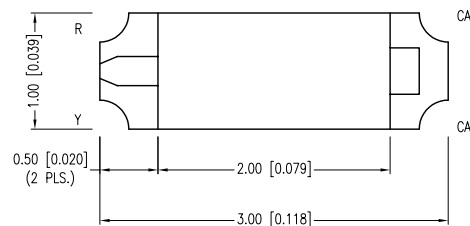
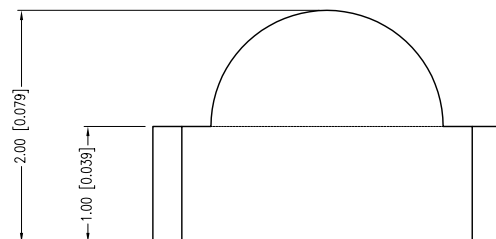


PART NUMBER	SML-LXR851SRSYW-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		A



PIN OUT



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

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/Y)		660/590		nm	
FORWARD VOLTAGE (R/Y)		1.7/2.0	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		20		mcd	If=20mA
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

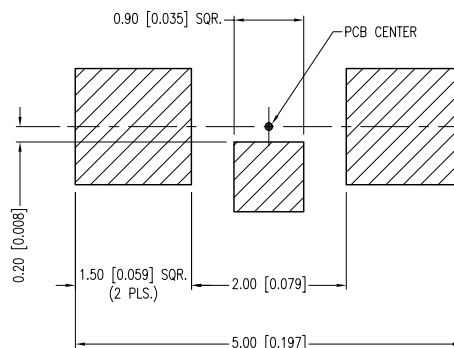
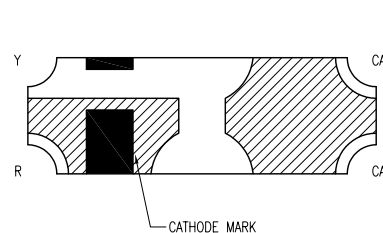
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* t<10μs

A	CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS
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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 PRECISION MAX.= +DECIMAL PRECISION -0.00

UNCONTROLLED DOCUMENT



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PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
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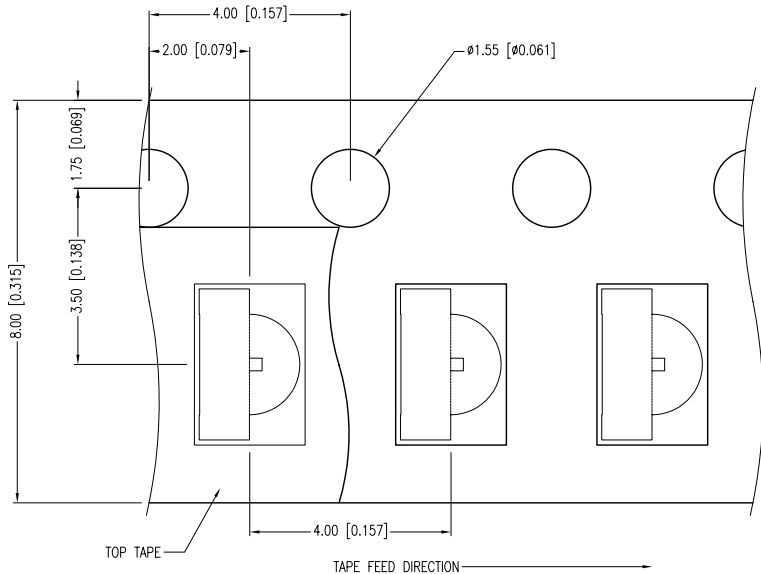
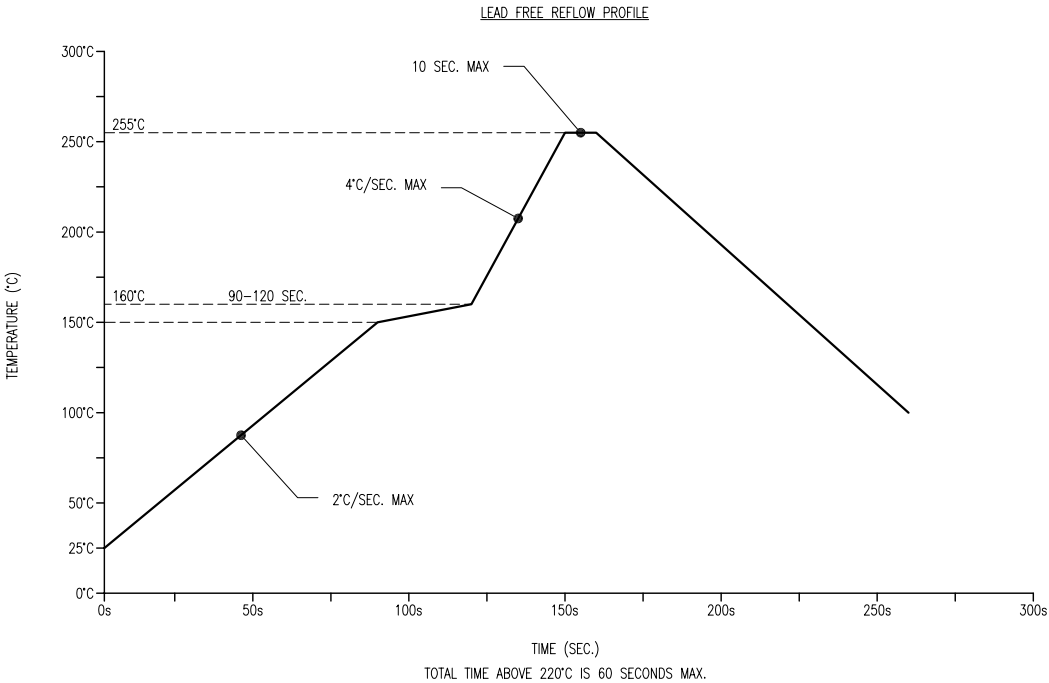
1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 660/590nm RED/YELLOW, MILKY WHITE, TAPE & REEL.

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

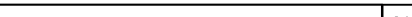
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DATE:	05.16.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ

PART NUMBER	SML-LXR851SRSYW-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		A



- NOTES:
- 1. 2,000 PER REEL.
 - 2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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} _{-0.00} MAX.= ^{+0.00} _{-DECIMAL PRECISION}		UNCONTROLLED DOCUMENT	
 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 660/590nm RED/YELLOW, MILKY WHITE, TAPE & REEL.	DATE: 05.16.11	DRAWN BY: AB
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.	PAGE: 2 OF 2	CHKD BY: KF
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		UNIT: mm [INCH]	