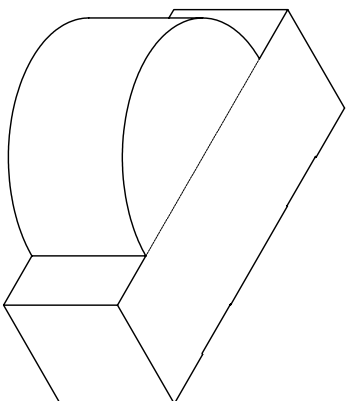


PART NUMBER	SML-LXR851SYC-TR		REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	A
09.07.04	E.C.N. #10967.			
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.			B

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	If = 100µA
REVERSE VOLTAGE	5.0			Vr	If = 20mA
AXIAL INTENSITY		33		mcd	
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

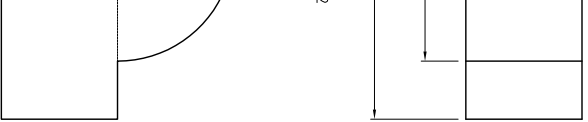


[A] LIMITS OF SAFE OPERATION AT 25°C

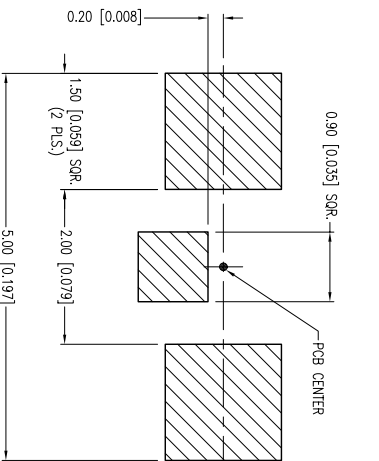
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +90	°C

* I_T < 10µS

[B] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS



0.40 [0.016]
(2 PLS.)



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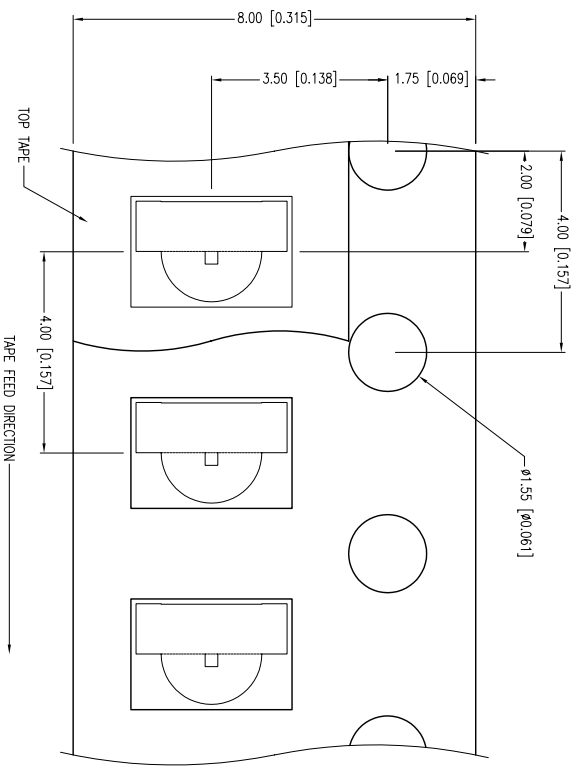
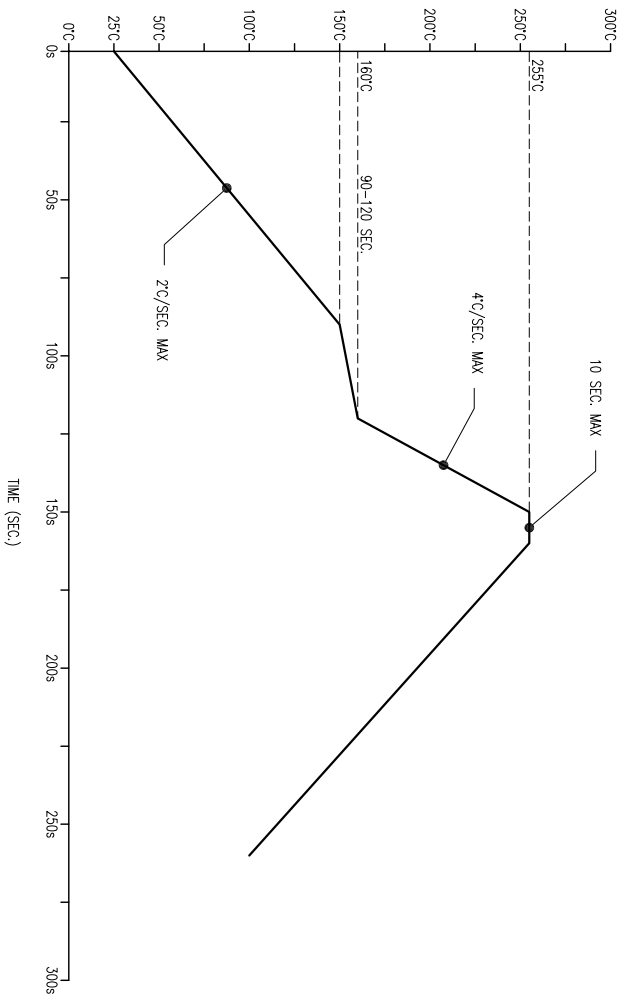
1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 590nm SUPER YELLOW, WATER CLEAR, TAPE & REEL.
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		

PART NUMBER	SML-LXR851SYC-TR		REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS			
09.07.04	E.C.N. #10967.			REV. A
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.			REV. B

LEAD FREE REFLOW PROFILE



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

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 -DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

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