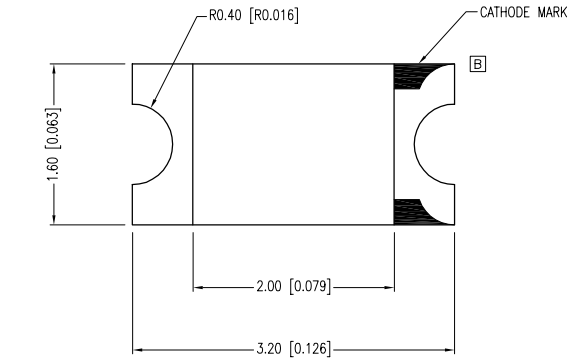
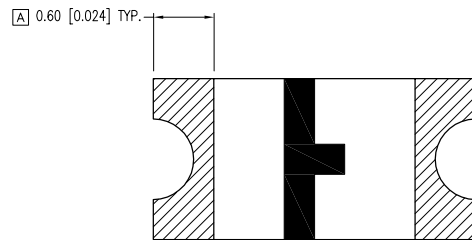
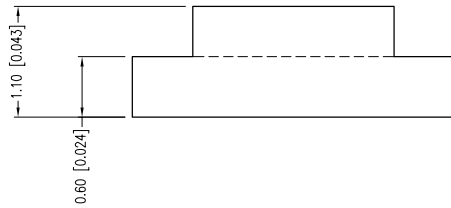


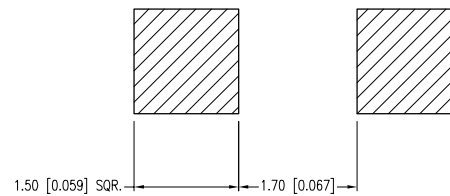
PART NUMBER	SML-LX1206SYC/A6TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.20.05	E.C.N. #11148.		A
01.07.08	E.C.N. #11466.		B
03.09.09	E.C.N. #11508		C
07.19.10	E.C.N. #11644.		D
04.20.11	E.C.N. #10BRDR. & REDRAWN.		E



ANODE  CATHODE



[B] RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C			If=20mA		
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	Ir=100μA
REVERSE VOLTAGE	5.0			Vr	If=20mA
AXIAL INTENSITY		120		mcd	
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

[D] LIMITS OF SAFE OPERATION AT 25°C

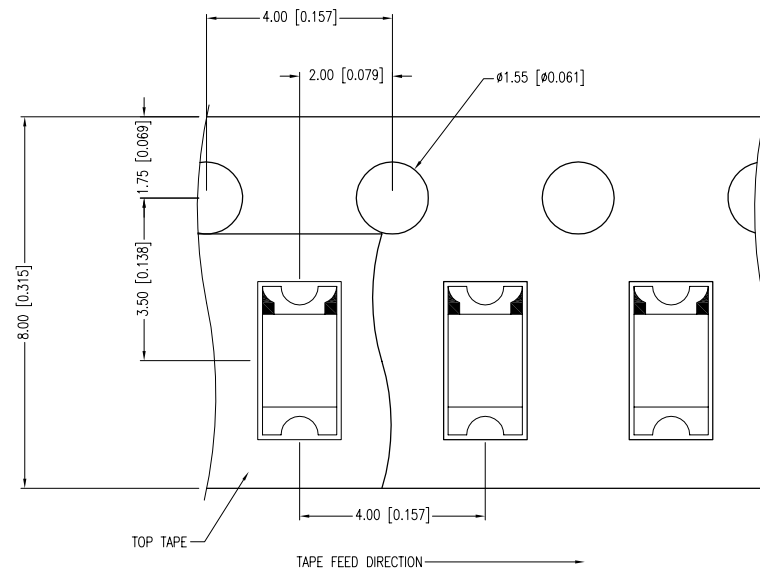
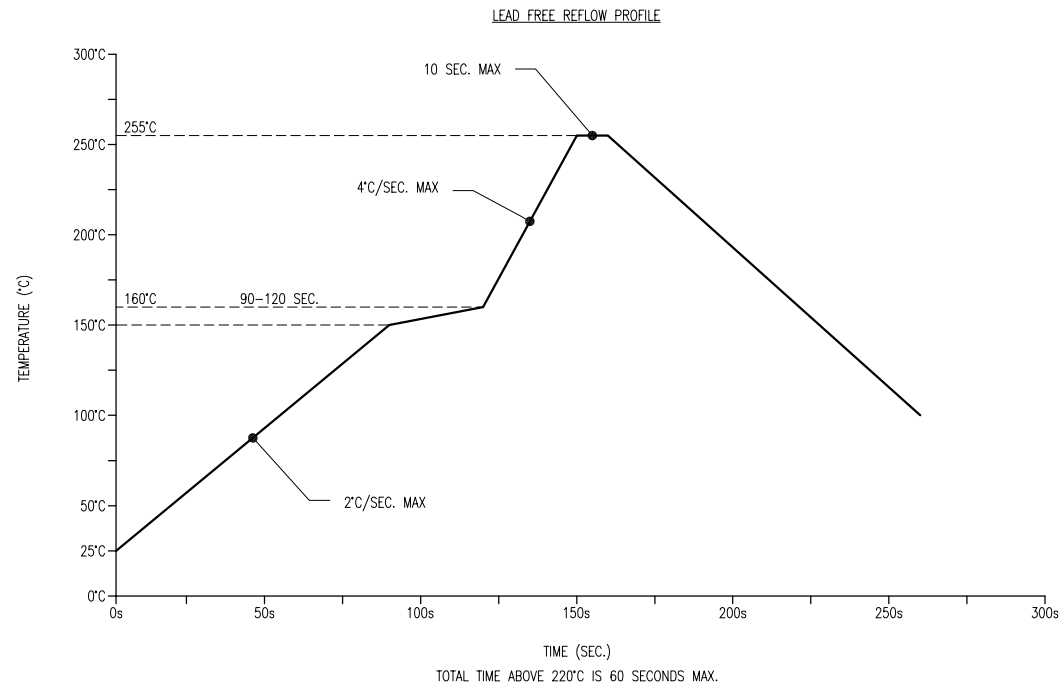
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10μS

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

*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.= ^{DECIMAL PRECISION} +0.00

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NOTES:

1. THE CATHODE MARK 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= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX.= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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3.2mm x 1.6mm PCB SURFACE MOUNT LED, 590nm SUPER YELLOW LED, WATER CLEAR LENS, TAPE & REEL.

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

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DATE:	04.20.11	DRAWN BY:	AB
PAGE:	2 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		Ⓟ