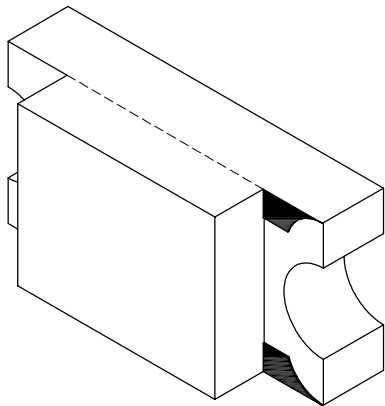
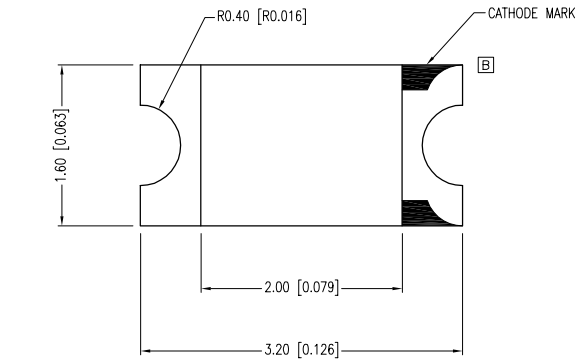
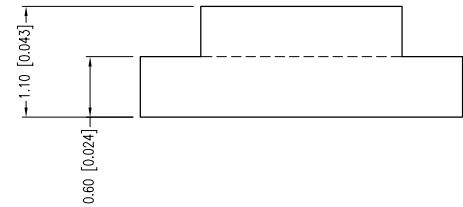


PART NUMBER	SML-LX1206USBW-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
01.20.05	E.C.N. #11468.		A
01.07.08	E.C.N. #11466.		B
03.09.09	E.C.N. #11508.		C
08.03.10	E.C.N. #11644.		D
04.20.11	E.C.N. #10BRDR & REDRAWN.		E



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.2	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		25		mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

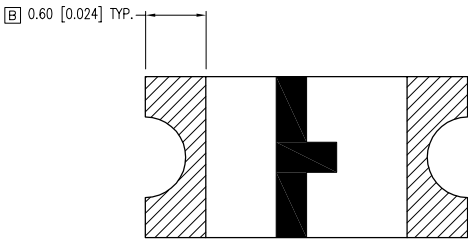
ANODE  CATHODE



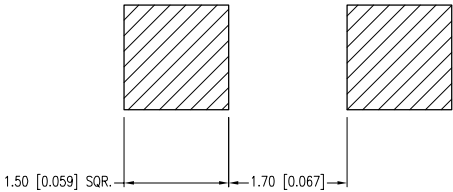
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

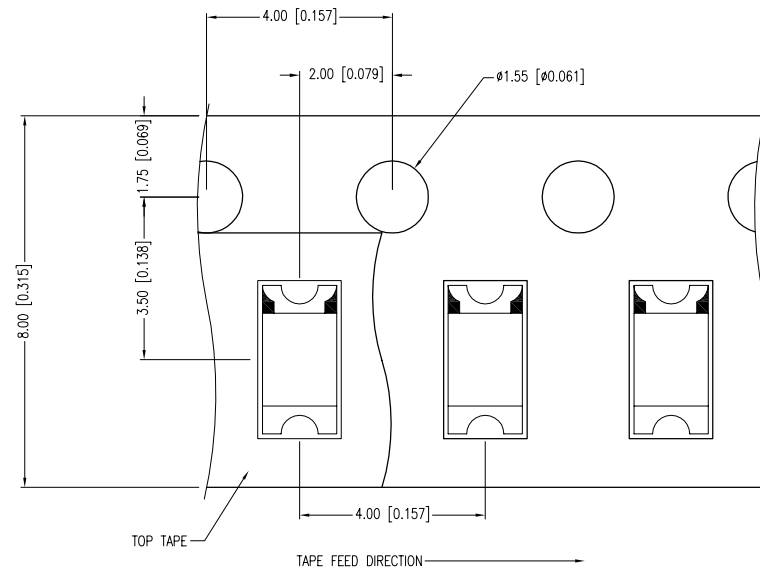
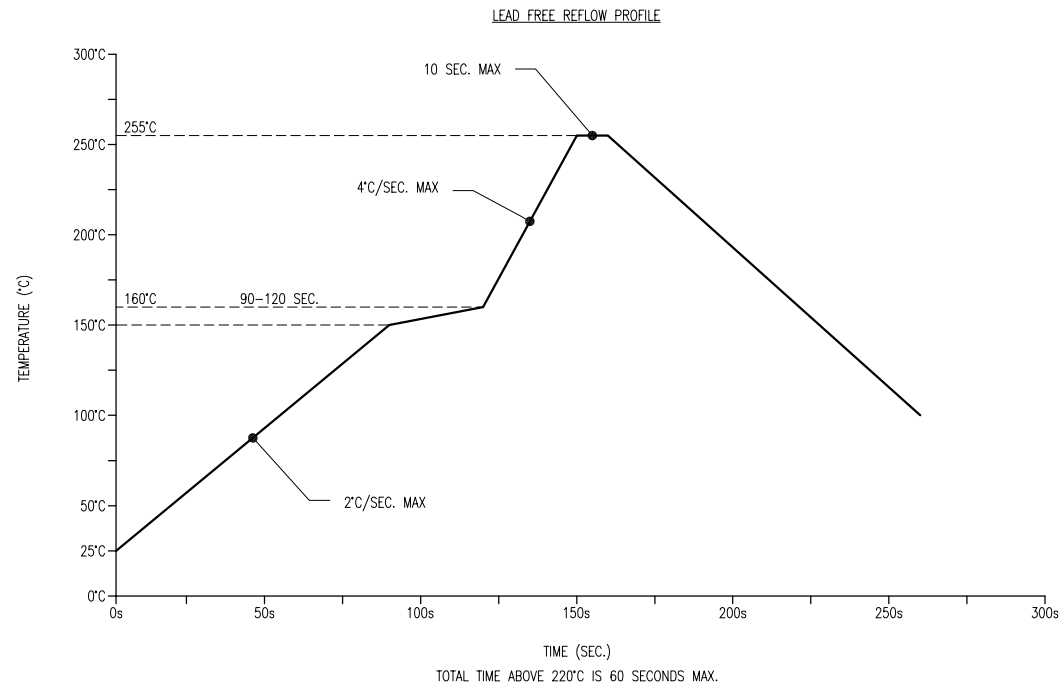
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



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}-0.00 MAX.= +^{DECIMAL PRECISION}-0.00

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.= ^{+DECIMAL PRECISION} _{-0.00} MAX.= ^{+0.00} _{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT



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3.2mm x 1.6mm PCB SURFACE MOUNT LED, 470nm SUPER BLUE LED, MILKY WHITE DIFFUSED, 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]		Ⓟ