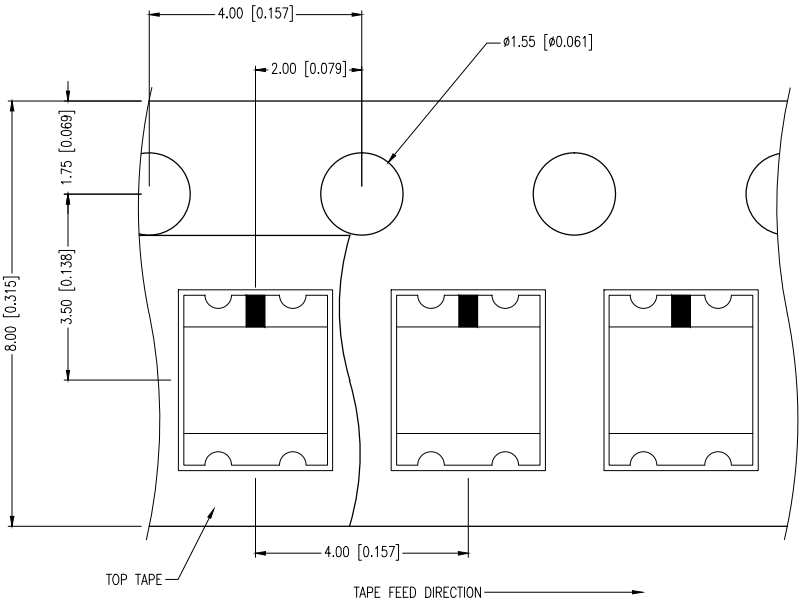
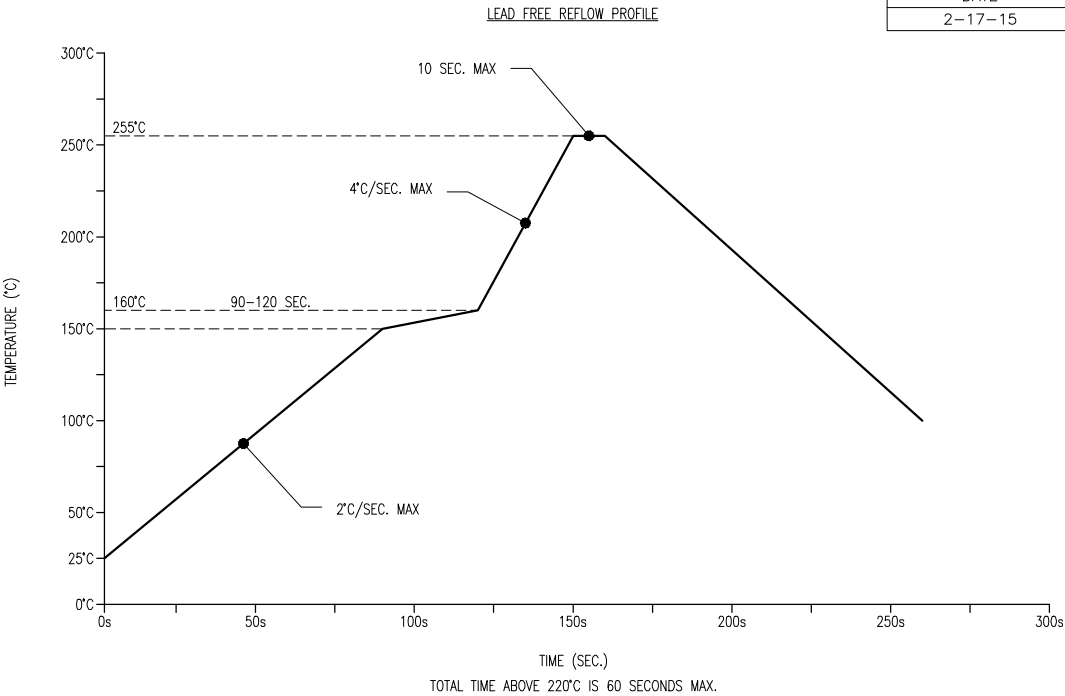


PART NUMBER	REV.	
DATE	E.C.N. NUMBER AND REVISION COMMENTS	
2-17-15	E.C.N. #E11934 REVISED & REDRAWN.	
	REV.	A

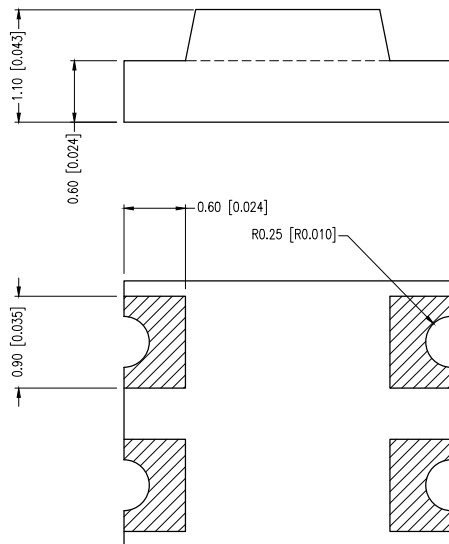
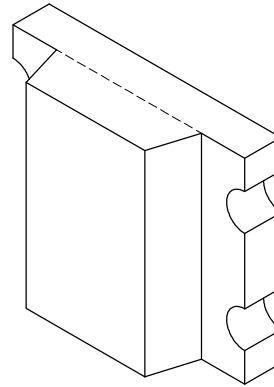
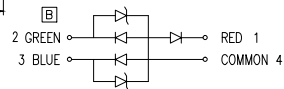
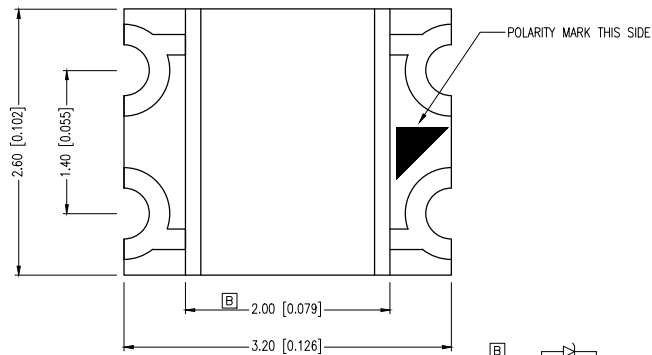


- NOTES:
1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
 2. LOCATION FOR CATHODE MARK CAN BE EITHER ON THE TOP OR BOTTOM OF THE PART.

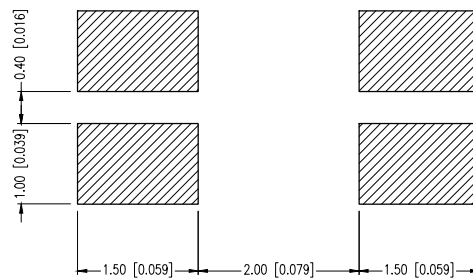
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT

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				UNIT: mm [INCH]	Ⓟ

PART NUMBER	SML-LX1210SIUPGUBW	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		
2-17-15	E.C.N. #E11934 REVISED & REDRAWN.		
		REV.	A



RECOMMENDED SOLDER PAD LAYOUT



[B] ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	(R)		636		nm	
	(G)		525		nm	
	(B)		470		nm	
FORWARD VOLTAGE	(R)		2.0	2.4	Vf	
	(G)		3.3	3.7	Vf	
	(B)		3.3	3.7	Vf	
REVERSE VOLTAGE		5.0			Vr	Ir=100µA
AXIAL INTENSITY	(R/G/B)		140/200/90	180/360/180	mcd	If=20mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE					
EPOXY LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	80	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-30 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

*T<10µs

[C] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 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.= -0.00 DECIMAL PRECISION MAX.= +0.00 DECIMAL PRECISION



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2.7x 3.2mm P.C.B. SURFACE MOUNT LED, RED/GREEN/BLUE CHIPS, MILKY WHITE LENS, 3000PC TAPE & REEL.

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