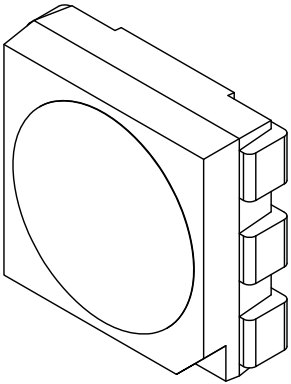
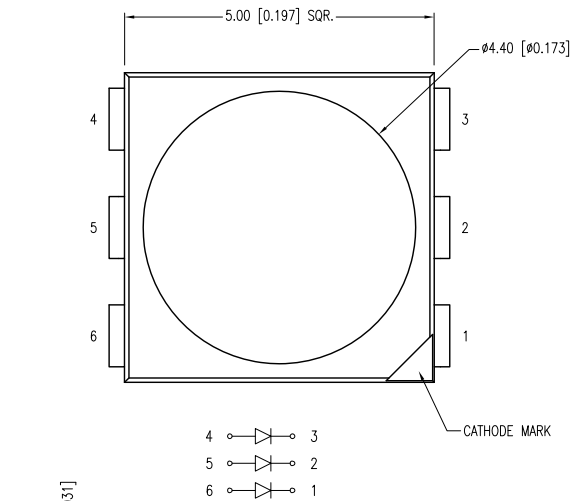


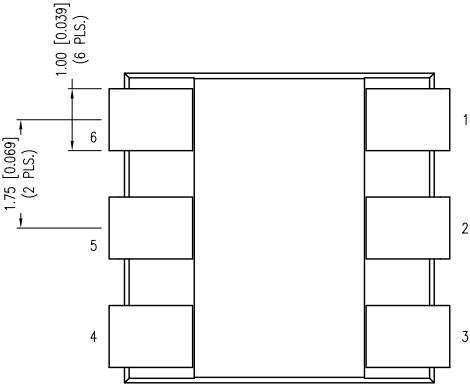
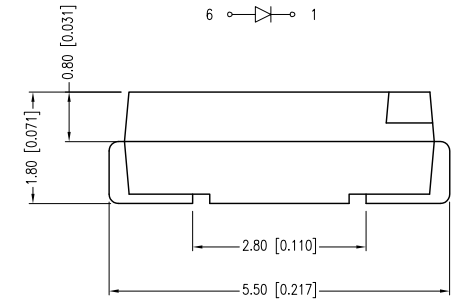
PART NUMBER	SML-LX5050SIC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.07.14	E.C.N. #11896.		A



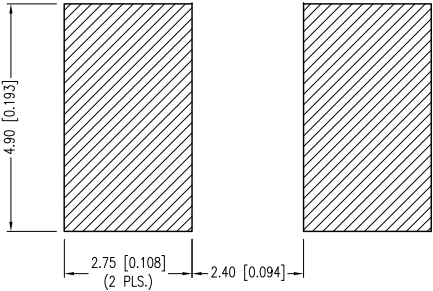
ELECTRO—OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE	1.7	2.0	2.5	Vf	Ir=10μA
REVERSE VOLTAGE	5.0			Vr	If=20mA
AXIAL INTENSITY		85	160	mcd	
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				
NOTE: VALUES ARE PER DIE.					

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	125	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
* $t < 10\mu\text{s}$		
NOTE: VALUES ARE PER DIE.		

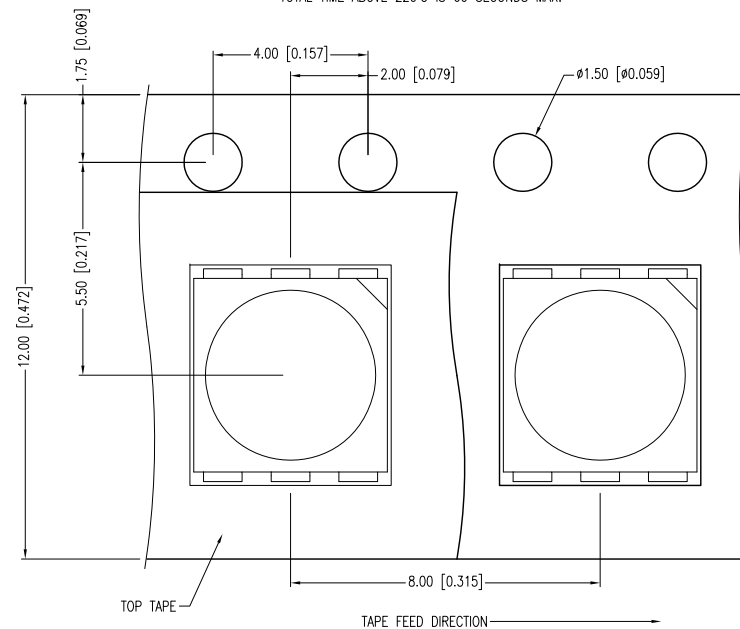
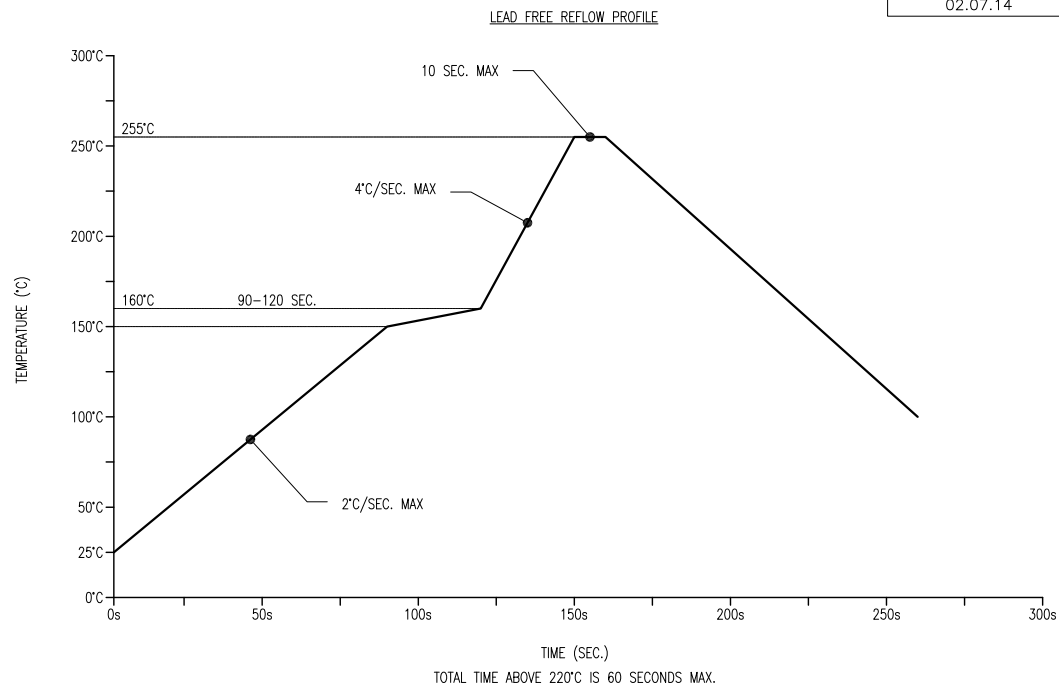
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LX5050SIC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.07.14	E.C.N. #11896.		A

NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. 3,000 PIECES PER REEL.

*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

5.0x5.0mm SML W/REFLECTOR, 636nm RED, WATER CLEAR, TAPE & REEL.

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

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DATE:	06.21.12	DRAWN BY:	AB
PAGE:	2 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ