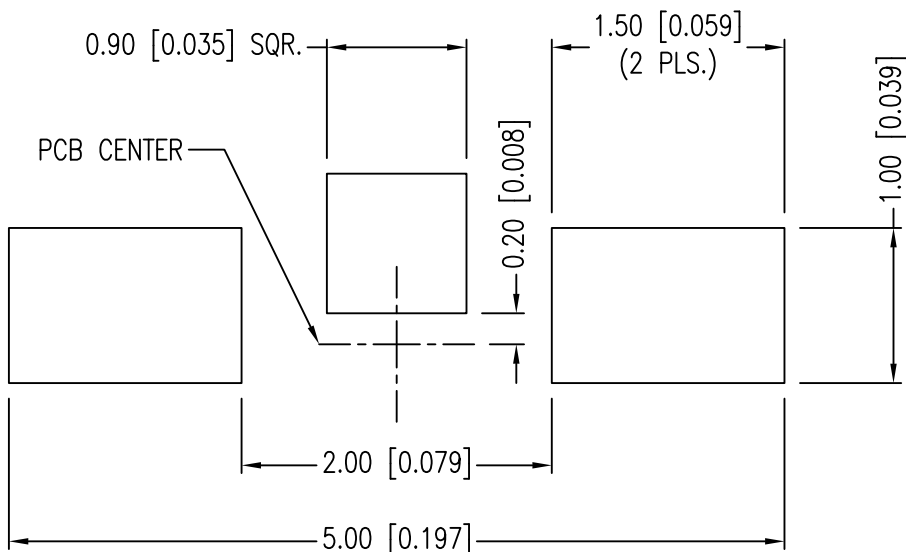


RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LXR851C-TR	REV.	L
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
8.23.96	E.C.N. #10230.		A
10.24.96	E.C.N. #10263.		B
5.2.97	E.C.N. #10338.		C
7.22.97	E.C.N. #10366.		D
9.19.97	E.C.N. #10380.		E
10.15.97	E.C.N. #10BRDR & REDRAWN.		F
3.5.98	E.C.N. #10419.		G
10.23.98	E.C.N. #10471.		H
7.18.00	E.C.N. #10644.		I
7.30.01	E.C.N. #10BRDR. & #10771.		J
8.12.05	E.C.N. #11248.		K
12.04.19	ECN-Lumex201900133		L

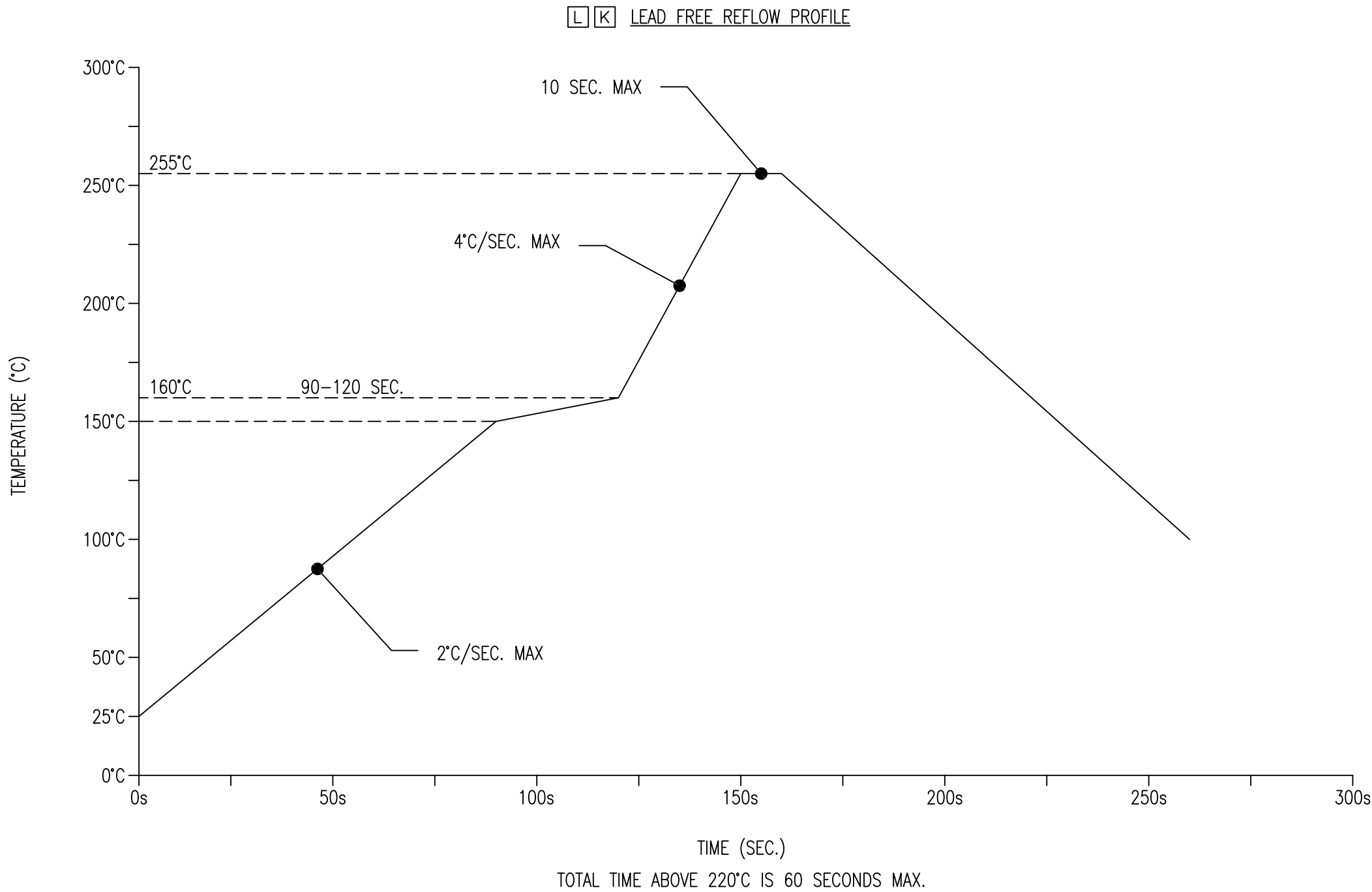
ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		12		mcd	If=20mA
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* t<10μS

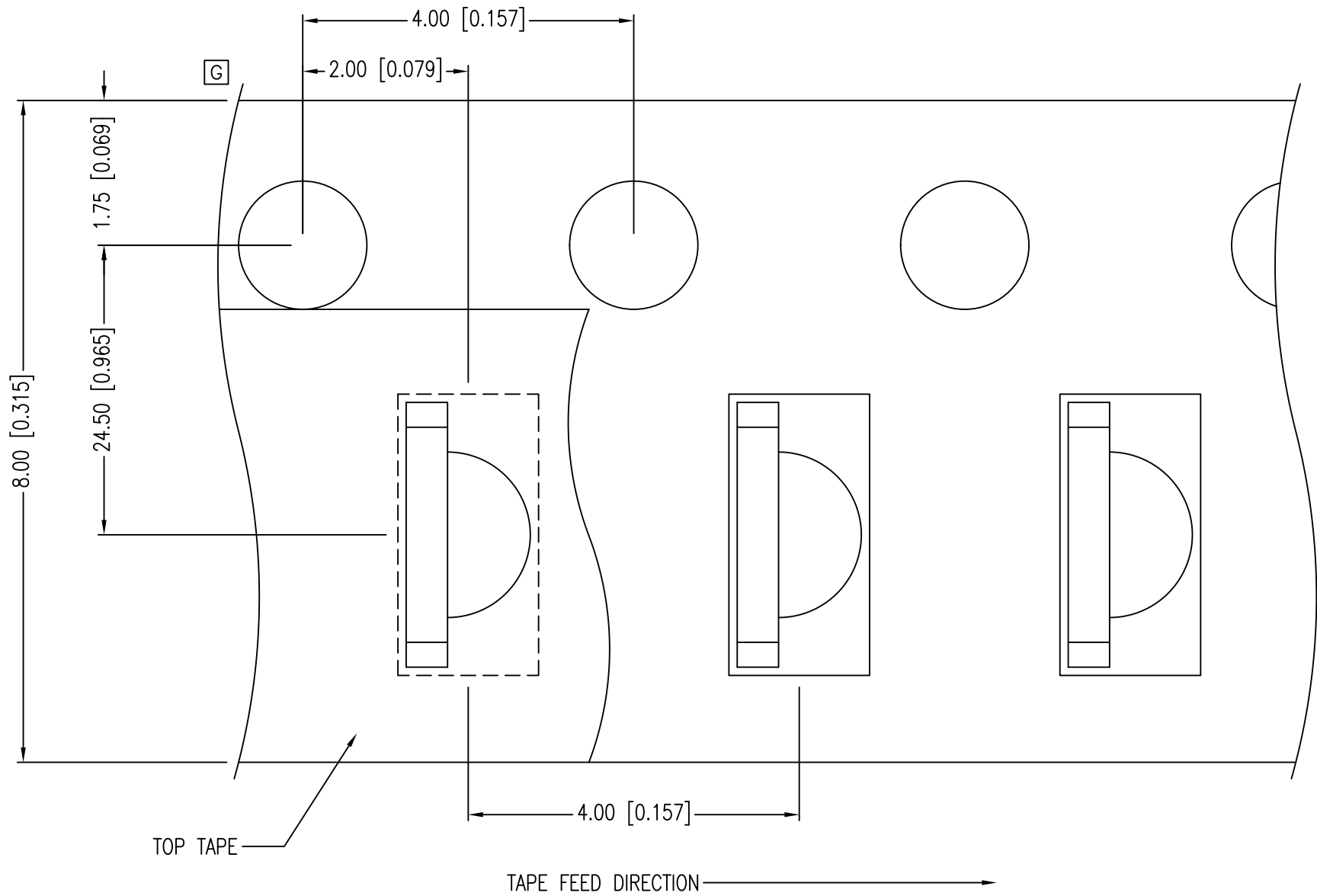
CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2a STANDARDS
--

*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.= +0.00 -DECIMAL PRECISION



NOTES:

- 3,000 PIECES PER REEL.
- THE CATHODE 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}



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0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 635nm RED, WATER CLEAR LENS, 3K PER REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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UNCONTROLLED DOCUMENT

DATE:	12.04.19	DRAWN BY:	C.S.
PAGE:	2 OF 2	CHKD BY:	E.C.
SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		(Rb)

Mouser Electronics

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