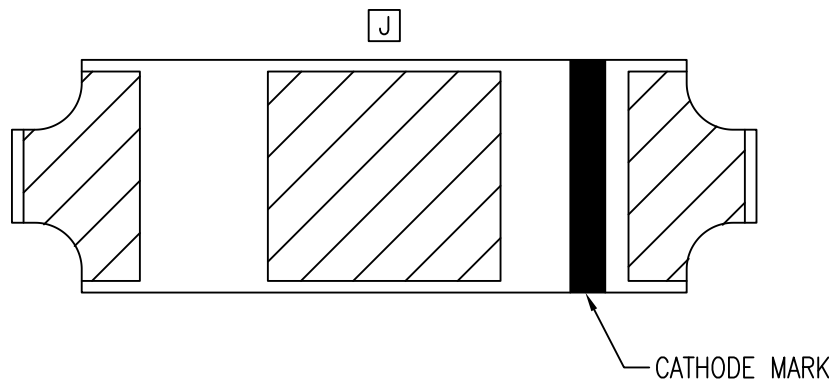
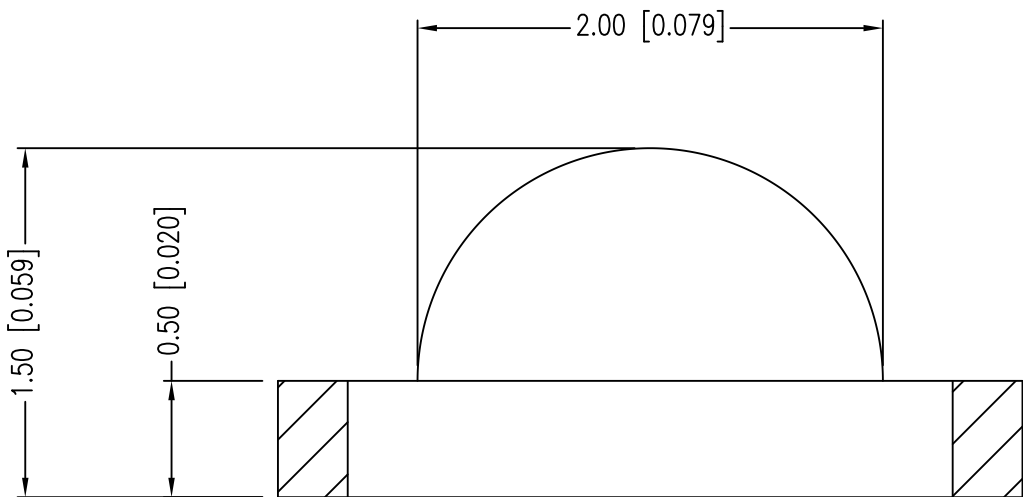
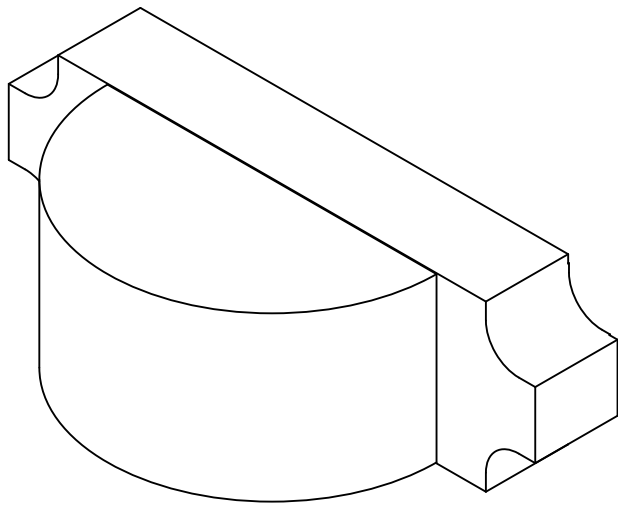
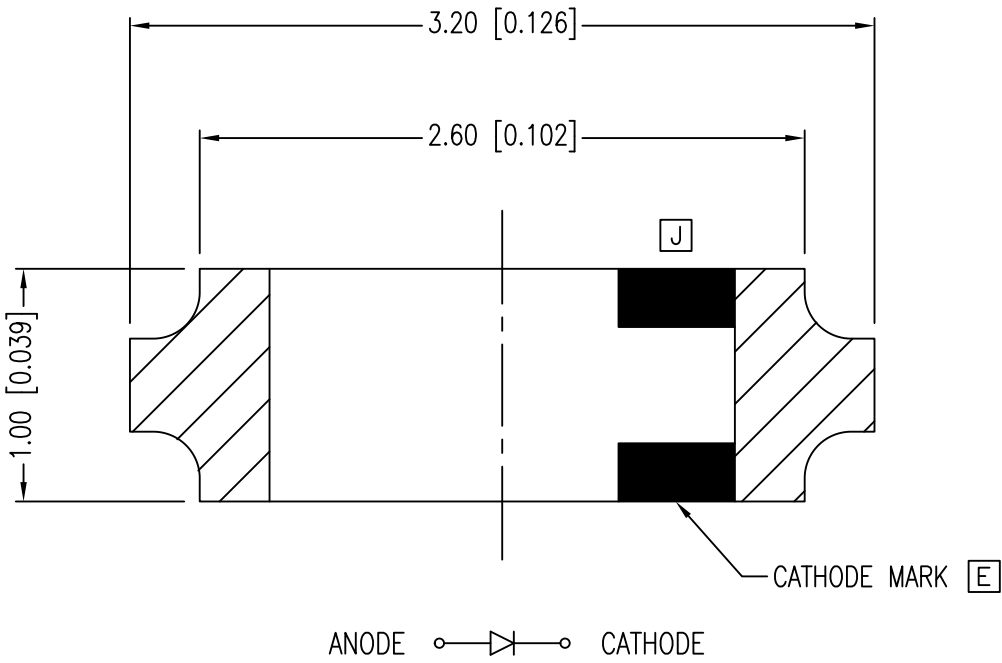
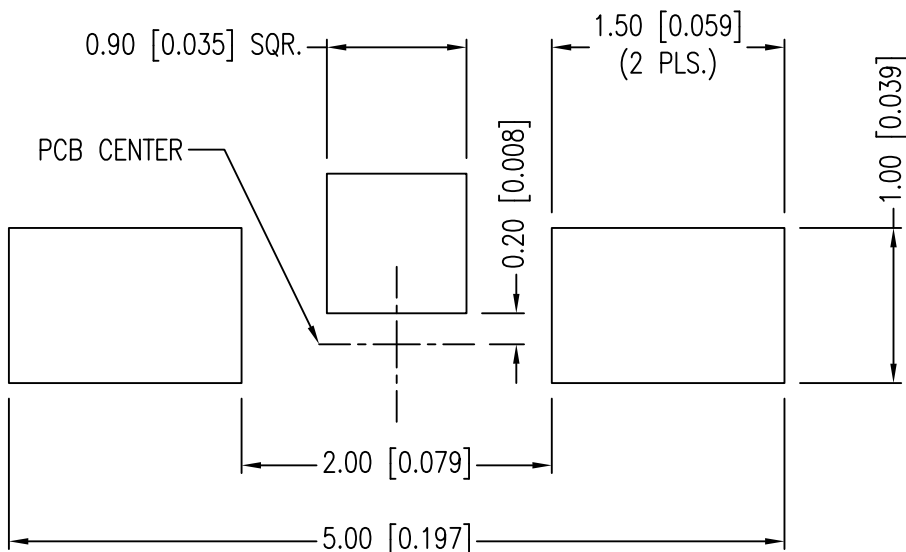




RECOMMENDED SOLDER PAD LAYOUT



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



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CAROL STREAM, IL 60188
PHONE: 800-278-5666
FAX: 630-315-2150
WEB: WWW.LUMEX.COM

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

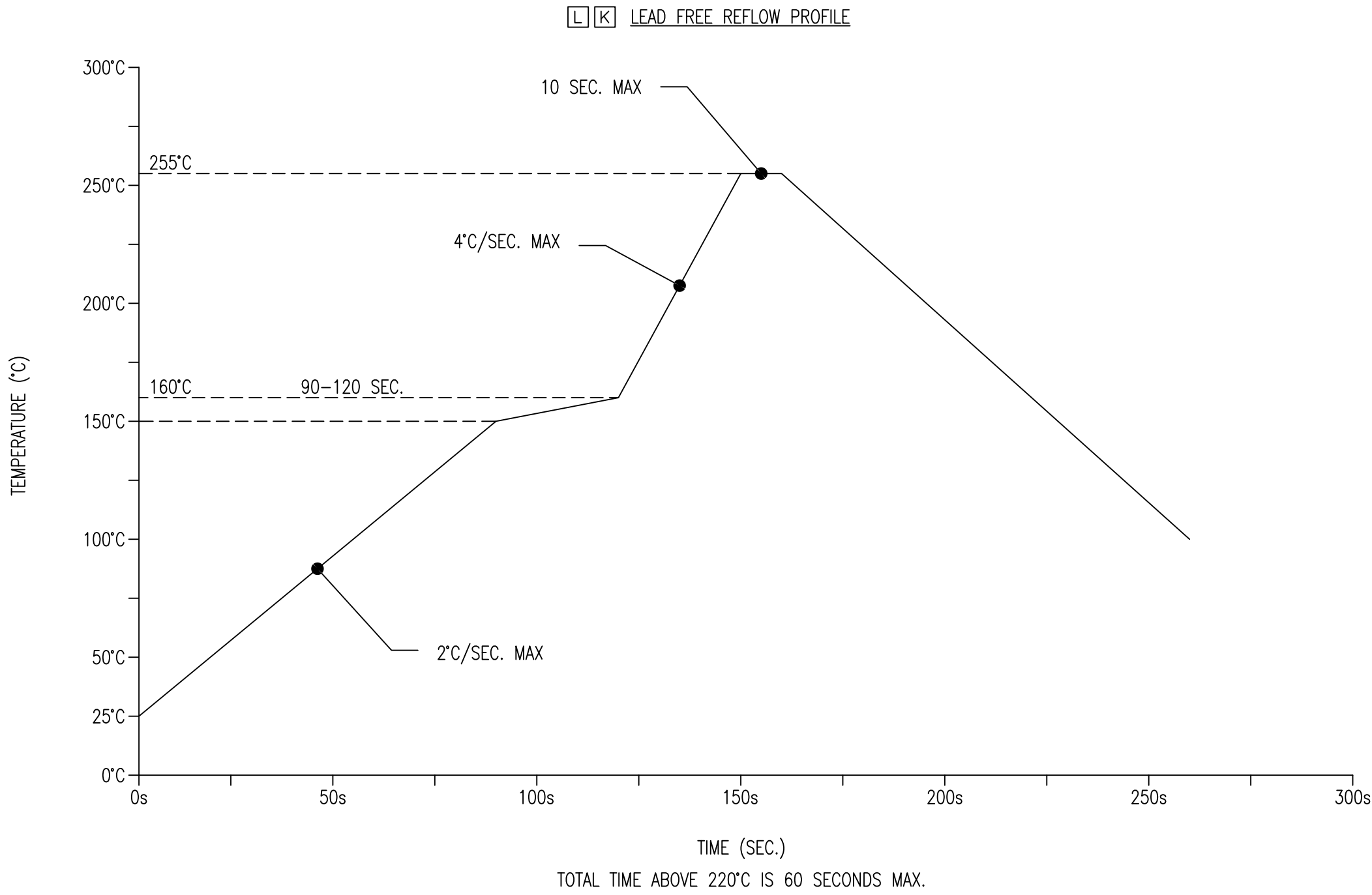
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

CONFIDENTIAL INFORMATION

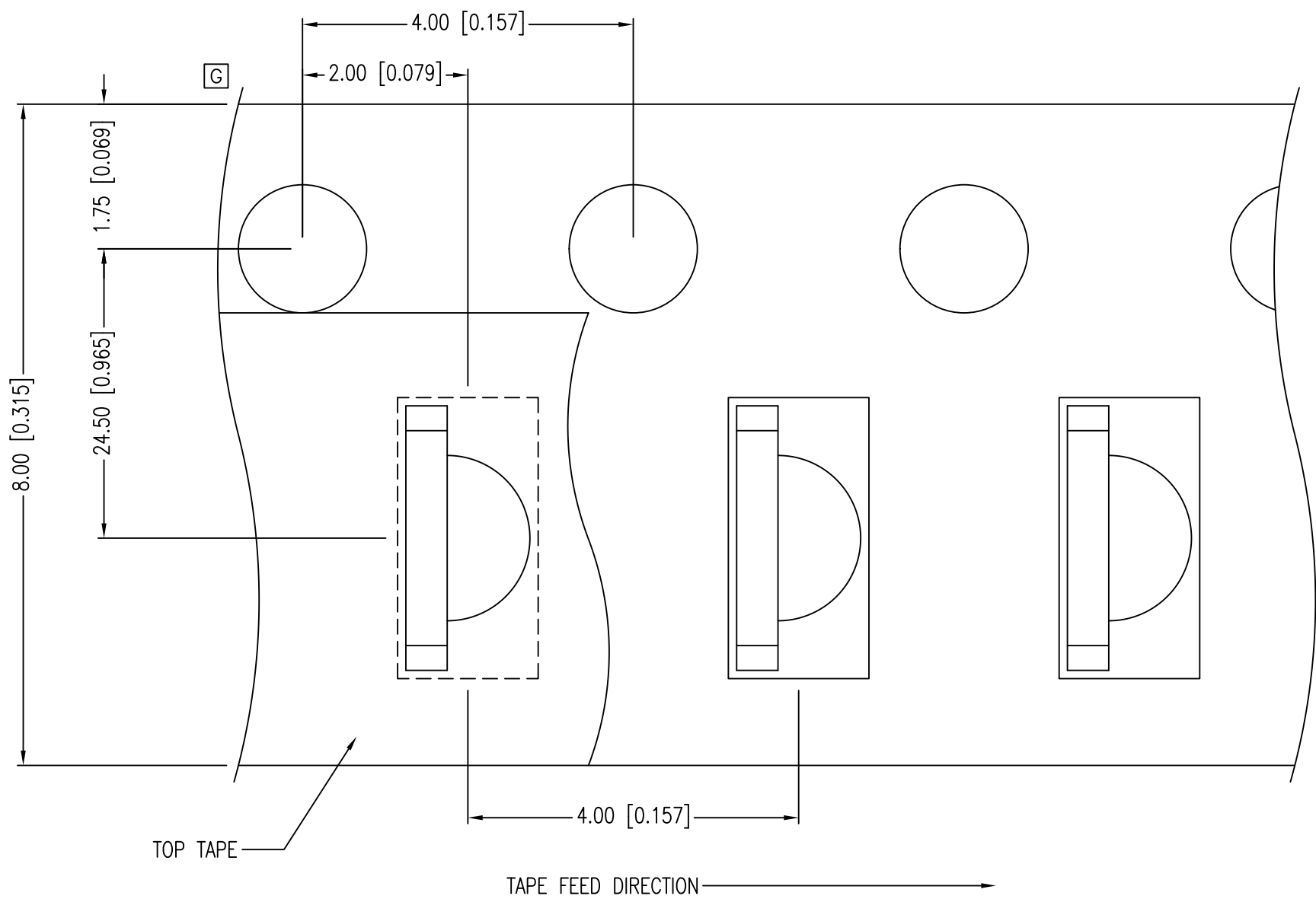
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PAGE: 1 OF 2	CHKD BY: E.C.
SCALE: NTS	APRVD BY: G.Y.
UNIT: mm [INCH]	(Pb)



- NOTES:
- 1. 3,000 PIECES PER REEL.
 - 2. 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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[SML-LXR85IC-TR](#)