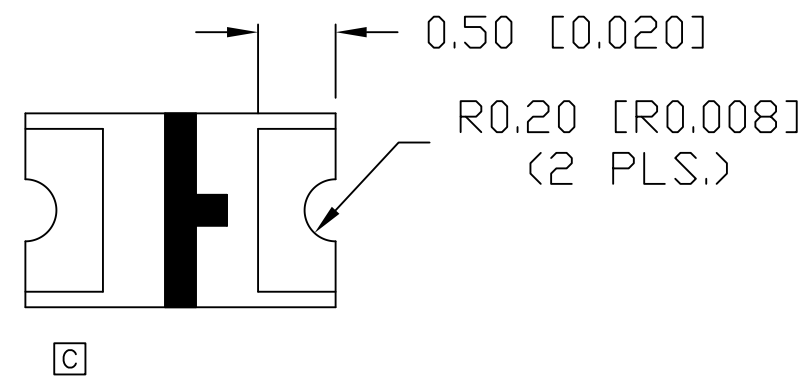
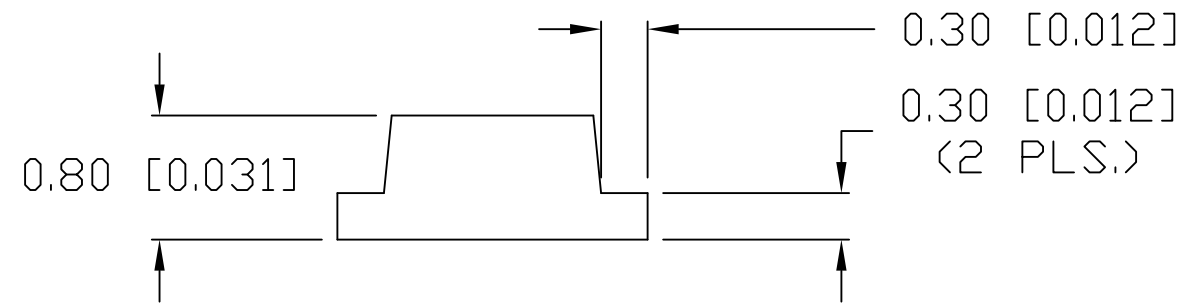
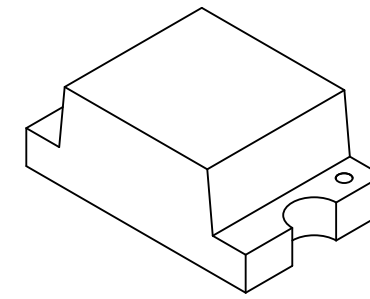
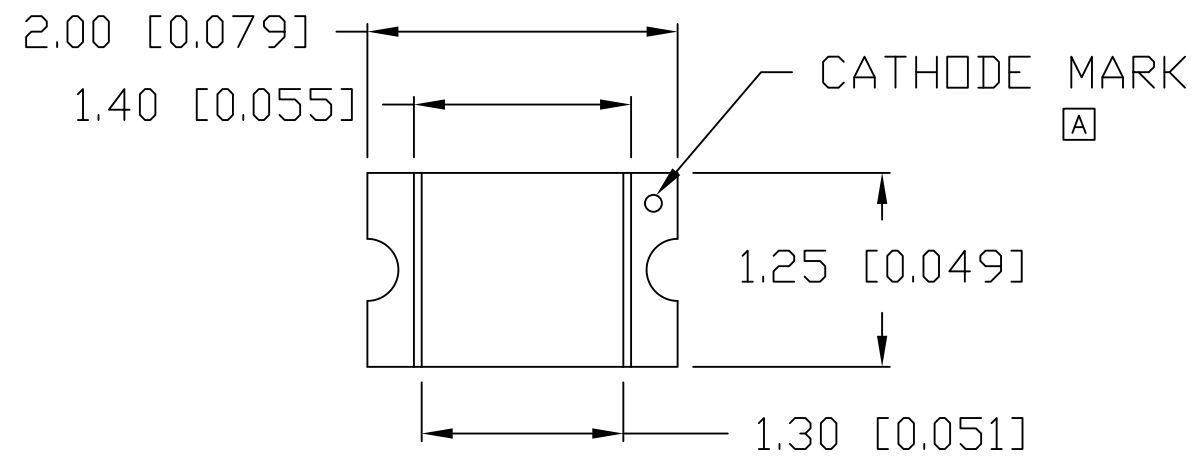
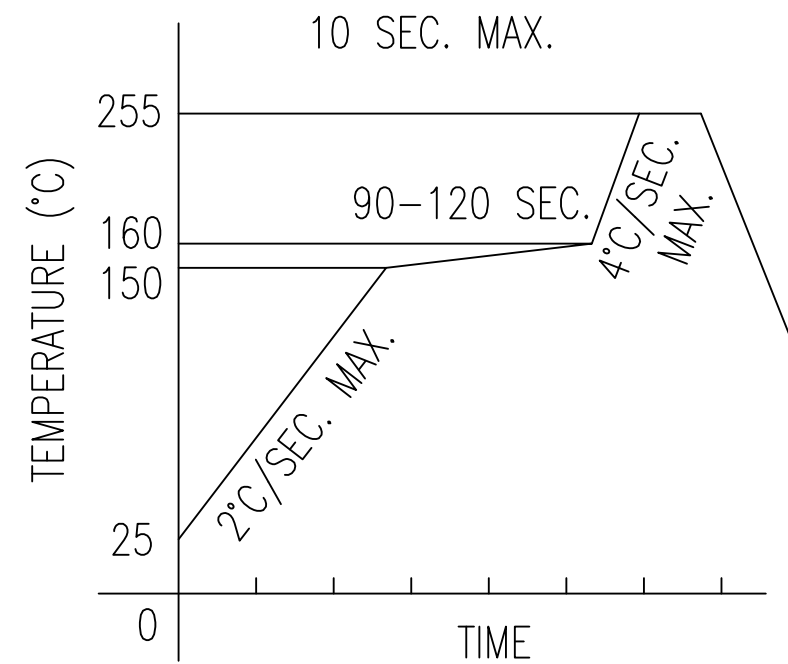


PART NUMBER	SML-LXT0805SYW-TR	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
12.08.99	E.C.N. #10567.	A	
01.08.01	E.C.N. #10695.	B	
02.25.02	E.C.N. #10814.	C	
03.22.04	E.C.N. #10967.	D	
08.12.05	E.C.N. #11248.	E	
09.30.09	E.C.N. #11508.	F	
12.17.19	ECN-Lumex201900133	G	



[E] LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	25	60		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

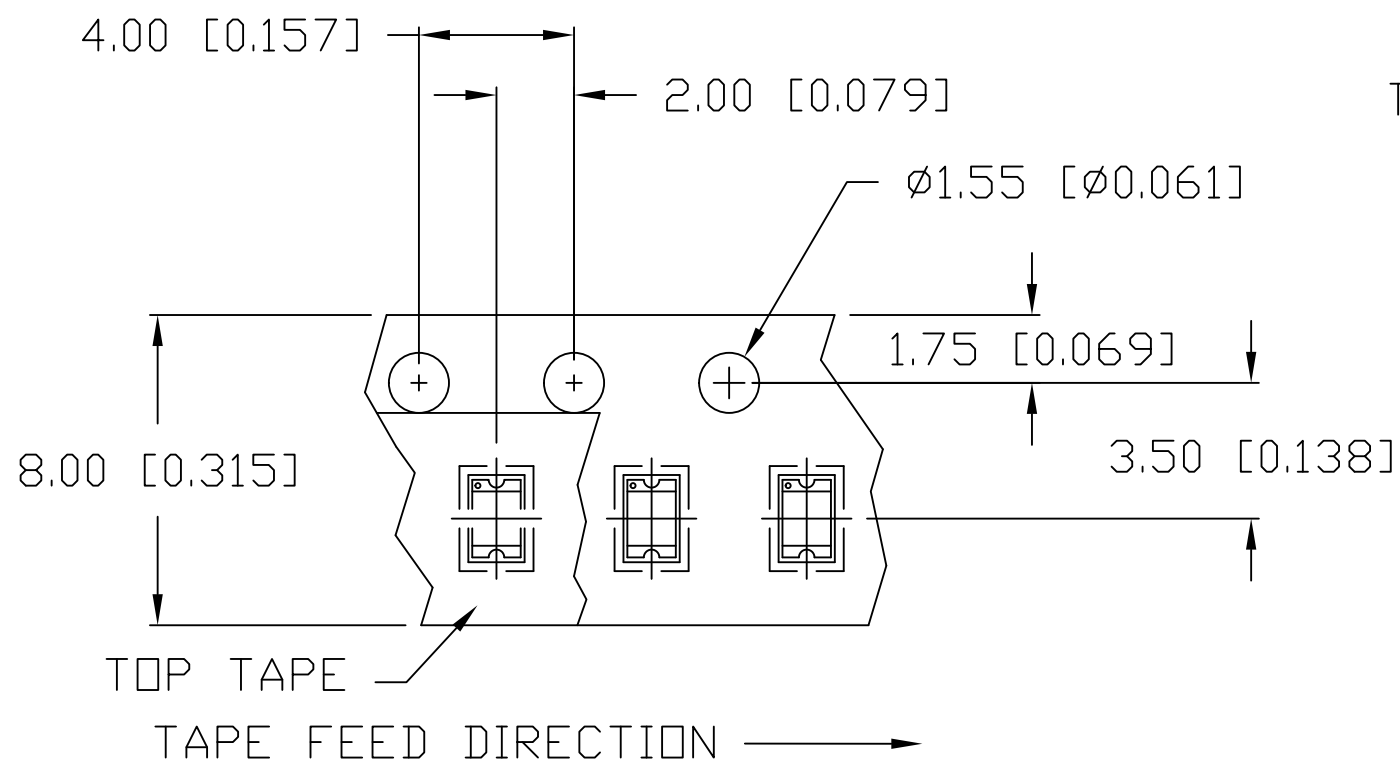
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +80	°C
STORAGE TEMP.	-30 TO +85	°C

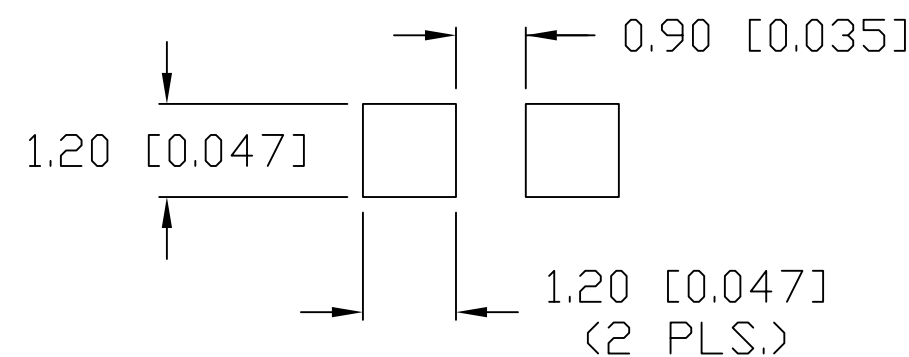
* $t < 10\mu\text{s}$

NOTES:

- 4K PER REEL
- CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



RECOMMENDED SOLDER PAD LAYOUT



[G][E][D] 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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2.0mm x 1.25mm THIN PCB SURFACE MOUNT LED, 590nm YELLOW, MILKY WHITE DIFFUSED LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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DATE:	12.17.19	DRAWN BY:	C.S.
PAGE:	1 OF 1	CHKD BY:	E.C.
SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		(Rb)