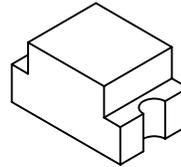
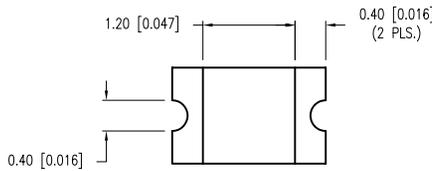
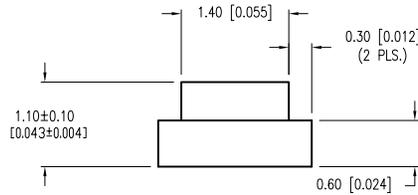
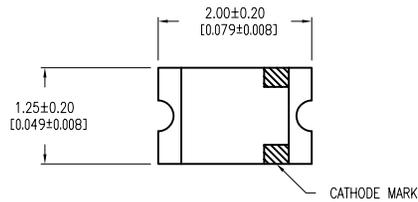
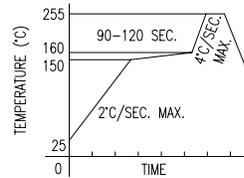


PART NUMBER	SML-LX0805SRC-TR	REV.	H
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
5.7.99	E.C.N. #10514.	A	
7.18.00	E.C.N. #10644. & REDRAWN IN 3D.	B	
5.31.01	E.C.N. #10751.	C	
9.8.01	E.C.N. #10784.	D	
5.9.02	E.C.N. #10862.	E	
3.14.03	E.C.N. #10967.	F	
1.17.05	E.C.N. #11148.	G	
04.20.12	E.C.N. #11508.	H	



(D) LEAD FREE REFLOW PROFILE  
10 SEC. MAX.



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		660		nm	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

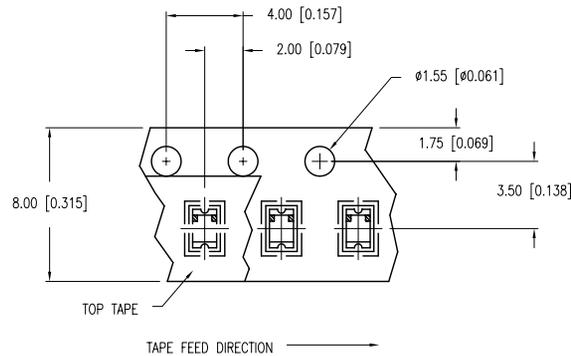
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
(A) OPERATING TEMP.	-40 TO +85	°C
(A) STORAGE TEMP.	-40 TO +85	°C

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

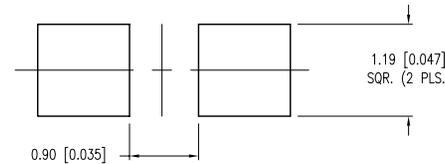
NOTES:

- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

(H)(B) CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS



RECOMMENDED SOLDER PAD LAYOUT



\*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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2.0mm x 1.25mm PCB SURFACE MOUNT, TAPE AND REEL, 660nm SUPER RED, WATER CLEAR LENS.

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

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