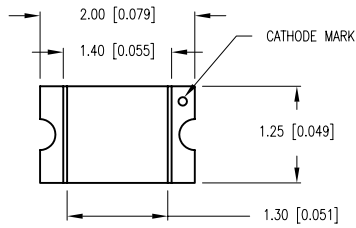
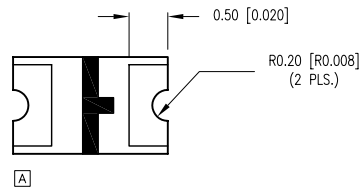
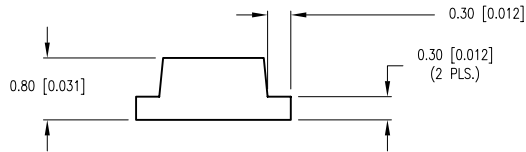
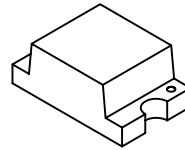


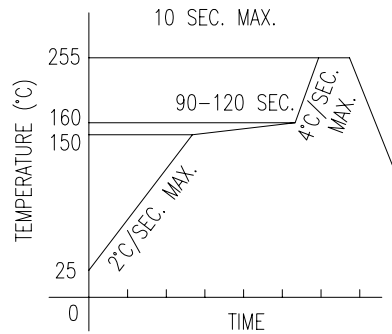
PART NUMBER	SML-LXT0805SBW-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.25.02	E.C.N. #10814.		A
03.22.04	E.C.N. #10967.		B
08.12.05	E.C.N. #11248.		C
09.30.09	E.C.N. #11508.		D
09.26.11	E.C.N. #10BRDR. & REDRAWN.		E



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

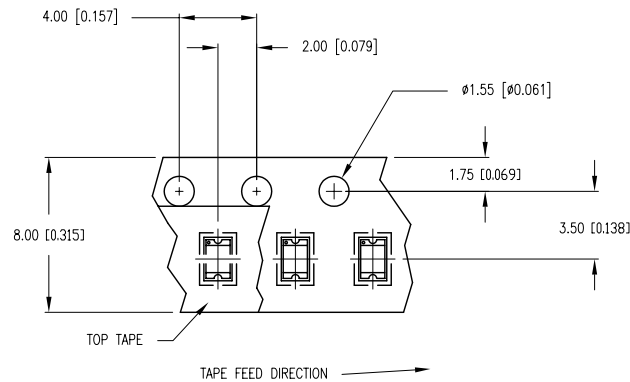
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		4.0	4.7	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	2.5	11		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		$2x$ theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

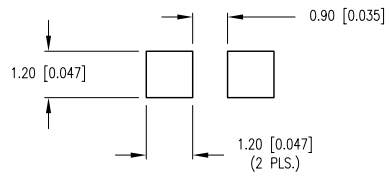
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +80	°C
STORAGE TEMP.	-30 TO +85	°C

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



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 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 MAX.= +0.00 -0.00 DECIMAL PRECISION



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2.0x1.25mm THIN PCB SURFACE MOUNT, 430nm SUPER BLUE LED, MILKY WHITE DIFFUSED LENS, TAPE & REEL.

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

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DATE:	09.26.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		