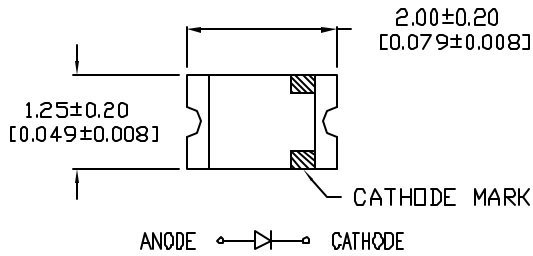
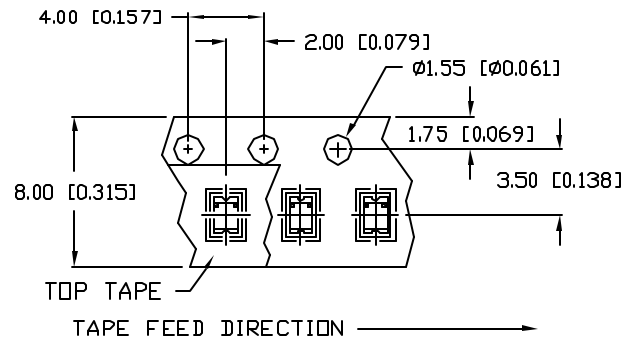
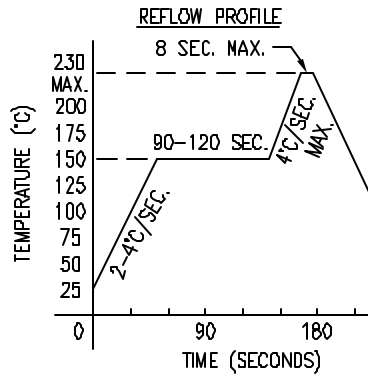
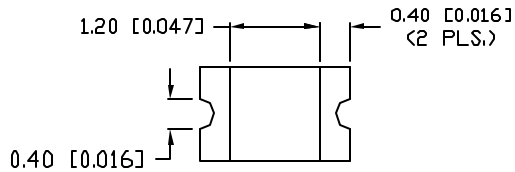
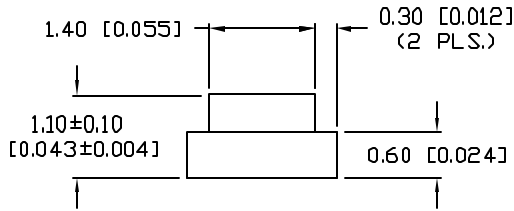
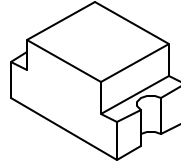


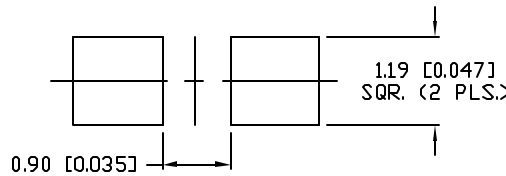
UNCONTROLLED DOCUMENT



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



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SML-LX0805UWC-TR		B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10862.	5.9.02
B	E.C.N. #10967.	3.14.03

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	V _f		3.5	4.0	V	I _f =20mA
REVERSE VOLTAGE	V _r	5			V	I _f =10µA
AXIAL INTENSITY(*1)	I _v		150		mcd	I _f =20mA
CHROMATICITY COORDINATES(*2)	X Y		0.31 0.32			I _f =20mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			WATER CLEAR			

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I _p	100*	mA
STEADY CURRENT	I _f	30	mA
POWER DISSIPATION	P _D	120	mW
OPERATING TEMP.	T _{OPR}	-40 TO +85	°C
STORAGE TEMP.	T _{STG}	-40 TO +85	°C

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SML-LX0805UWC-TR
2.0mm x 1.25mm PCB SURFACE MOUNT, TAPE AND REEL, 550nm ULTRA WHITE, WATER CLEAR LENS.	

CONFIDENTIAL INFORMATION
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

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