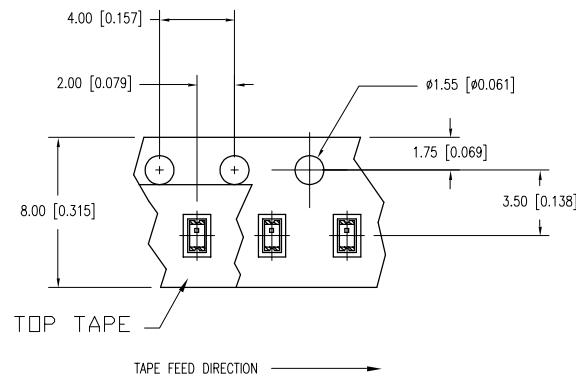
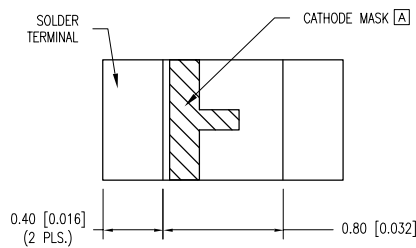
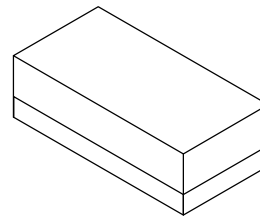
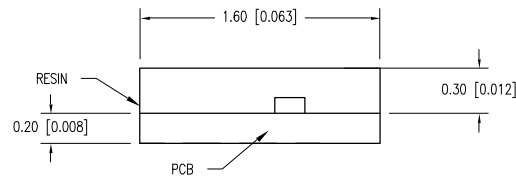
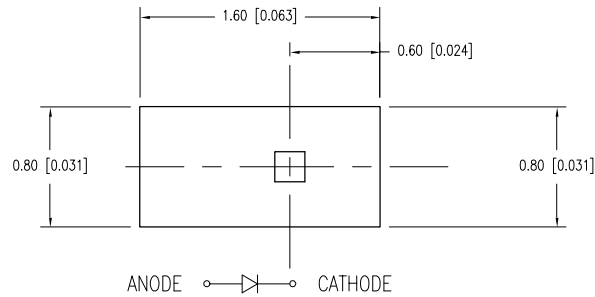
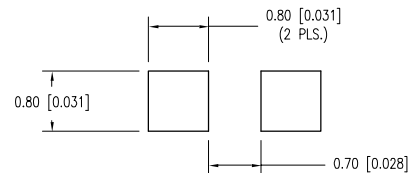


PART NUMBER	SML-LXAE0603USBWTR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.16.10	E.C.N. #11624.		A



RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 5\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		2.9	3.15	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	11.25		28.5	mcd	$I_f = 5\text{mA}$
VIEWING ANGLE		60		$2 \times \theta$	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	MILKY WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
[A] PEAK FORWARD CURRENT*	80	mA
[A] STEADY CURRENT	20	mA
[A] POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$

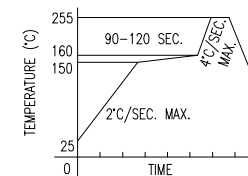
* $t < 10\mu\text{s}$

NOTES:

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

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

LEAD FREE REFLOW PROFILE
10 SEC. MAX.TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X = \pm 1$ (± 0.039), $XX = \pm 0.5$ (± 0.020), $XXX = \pm 0.25$ (± 0.010), $XXXX = \pm 0.127$ (± 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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1.6mm X 0.8mm PCB CHIP, SURFACE MOUNT LED, 470nm ULTRA SUPER BLUE LED, WATER CLEAR LENS.

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

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DATE:	02.02.10	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	
SCALE:	N/A	APRVD BY:	SS
UNIT:	mm [INCH]		(P6)