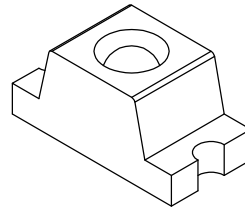
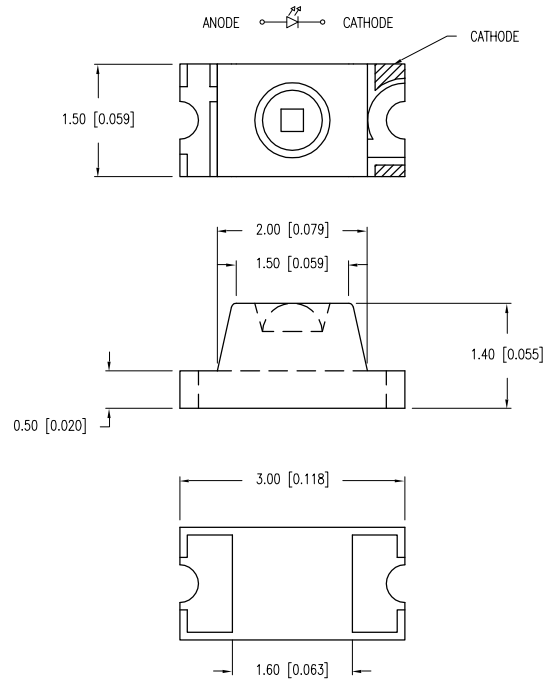


PART NUMBER	SML-LXL1106USBC-TR	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		A
05.26.10	E.C.N. #11508.		B

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		75		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		90		$2\times$ theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

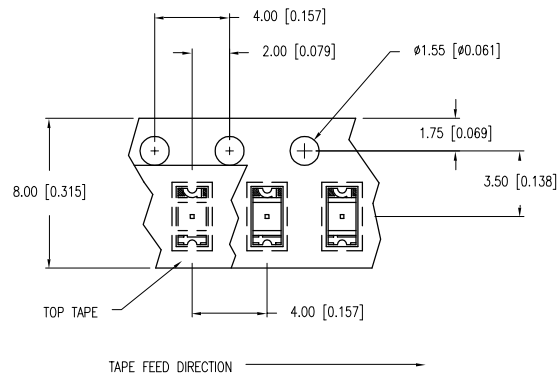
* $t < 10\mu\text{s}$

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

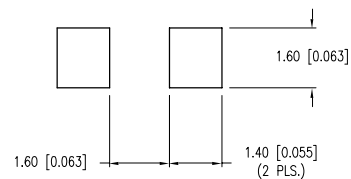
CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

NOTES:

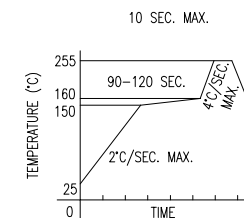
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X = \pm 1$ (± 0.039), $X.X = \pm 0.5$ (± 0.020), $X.XX = \pm 0.25$ (± 0.010), $X.XXX = \pm 0.127$ (± 0.005). LEAD SIZE = ± 0.05 (± 0.002), LEAD LENGTH = ± 0.75 (± 0.030). MIN = +DECIMAL PRECISION MAX. = +0.00 -DECIMAL PRECISION

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3mm x 1.5mm SML WITH LENS, 470nm ULTRA SUPER BLUE LED, TAPE AND REEL.

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

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DATE:	01.12.01	DRAWN BY:	BC
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	N/A	APRVD BY:	SS
UNIT:	mm [INCH]		(P6)