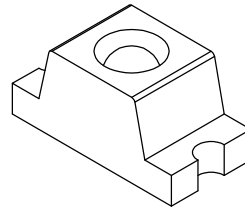
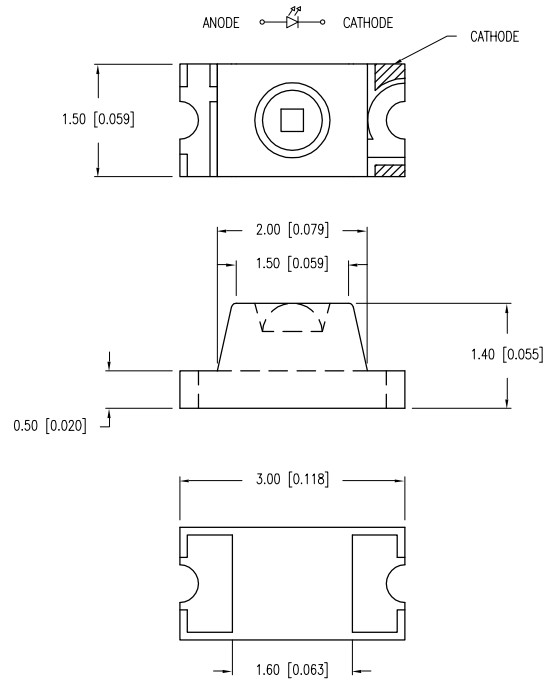


PART NUMBER	SML-LXL1106YC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
05.26.10	E.C.N. #11508.		A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		90		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

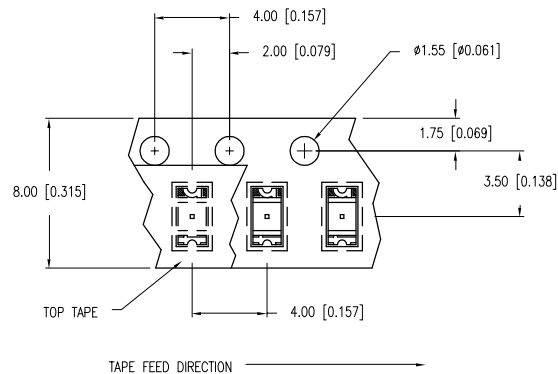
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

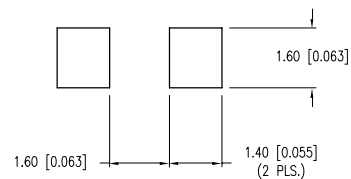
A CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

## NOTES:

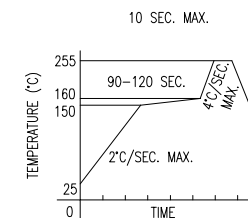
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



## RECOMMENDED SOLDER PAD LAYOUT



## LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE  $220^\circ\text{C}$  IS 60 SECONDS MAX.

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

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WEB: WWW.LUMEX.COM

3mm x 1.5mm SML WITH LENS, 585nm YELLOW 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:	09.16.04	DRAWN BY:	JD
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	N/A	APRVD BY:	SS
UNIT:	mm [INCH]		(P6)

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