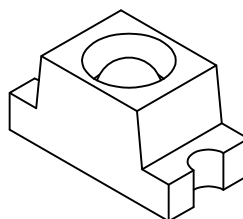
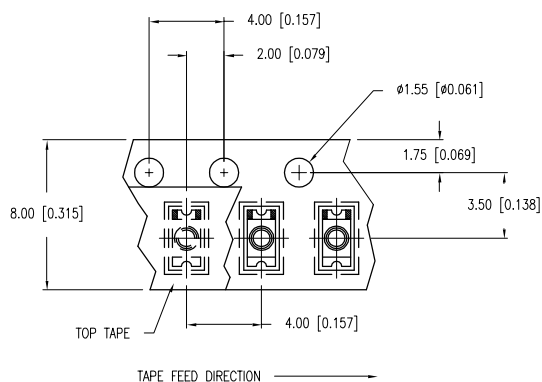
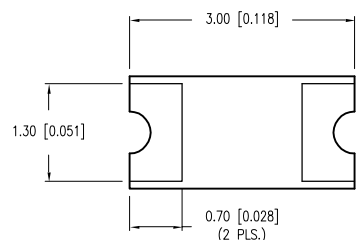
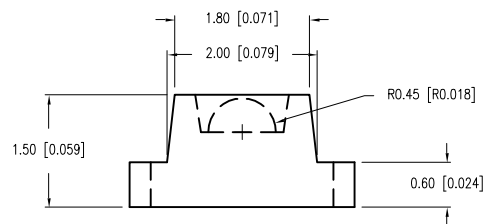
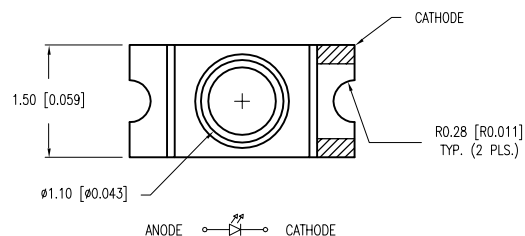
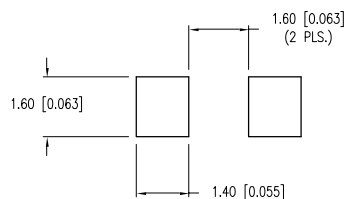


PART NUMBER	SML-LXL1206DRC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.17.05	E.C.N. #11148.		A
05.26.10	E.C.N. #11508.		B
10.12.10	E.C.N. #11665.		C



## RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650		nm	
FORWARD VOLTAGE		2.0	2.4	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

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

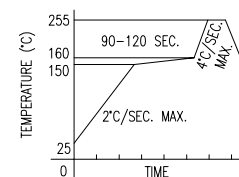
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS

## NOTES:

- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

[A] LEAD FREE REFLOW PROFILE  
10 SEC. MAX.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 =  $\pm 0.00$  ( $\pm 0.000$ ), MAX =  $\pm 0.00$  ( $\pm 0.000$ ).



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3.0mm x 1.6mm PCB SML WITH LENS, 605nm AMBER LED, WATER CLEAR LENS, TAPE AND REEL.

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

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DATE: 05.30.03	DRAWN BY: CT
PAGE: 1 OF 1	CHKD BY: KF
SCALE: N/A	APRVD BY: SA
UNIT: mm [INCH]	(R) [A]

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