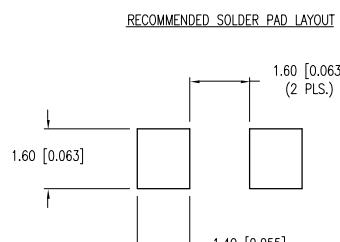
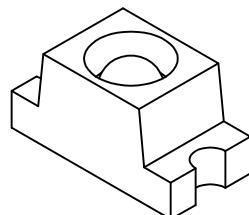
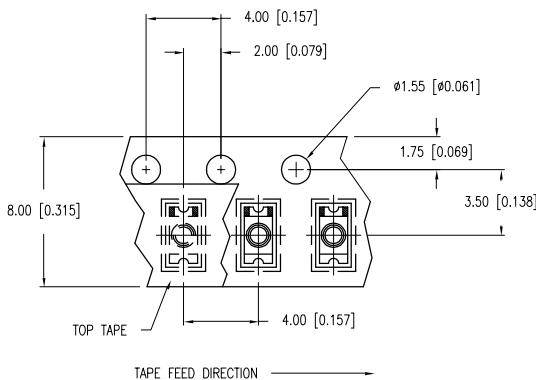
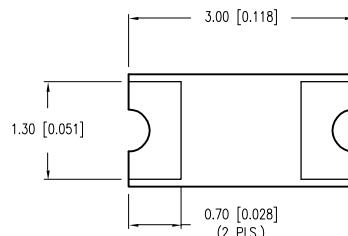
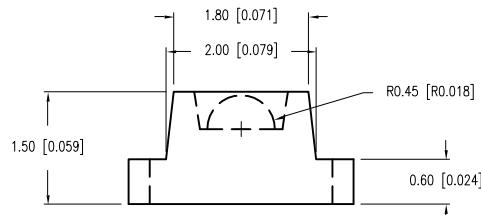
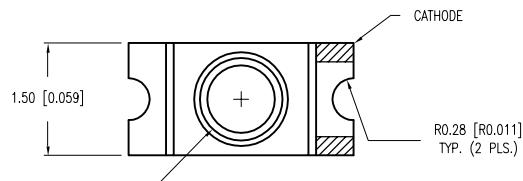


UNCONTROLLED DOCUMENT

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	

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	
AXIAL INTENSITY		20		md	$I_f = 100\mu\text{A}$
[C] VIEWING ANGLE		60		2x theta	$I_f = 20\text{mA}$
EMITTED COLOR:	RED				
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	$^\circ\text{C}$

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

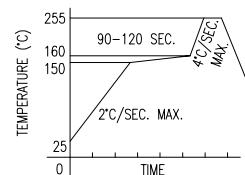
[B] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

NOTES:

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

[A] 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=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00
-0.00



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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] [A]

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