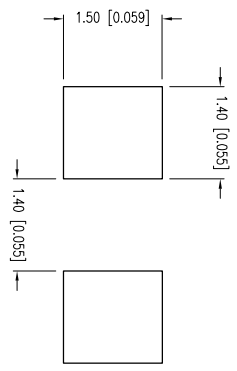
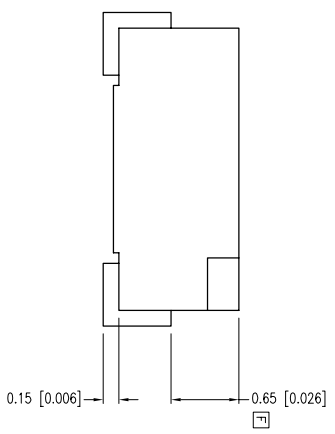
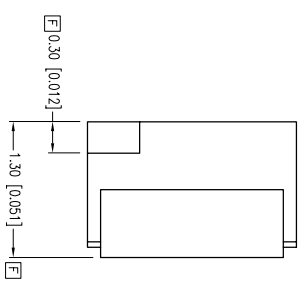
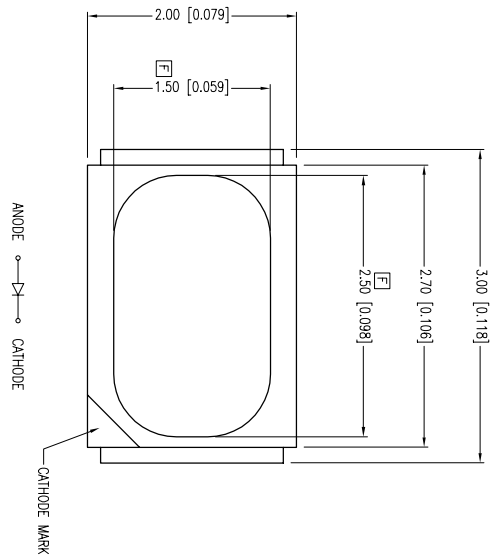
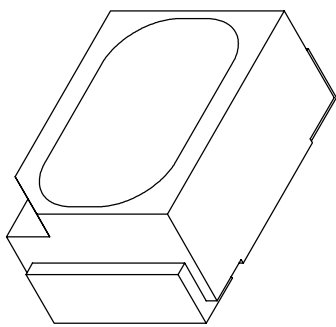
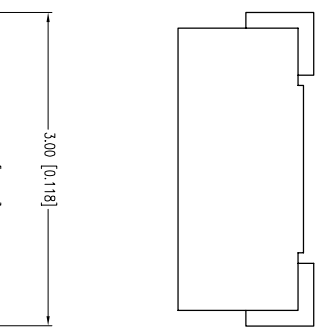


PART NUMBER		SML-LX231C-TR		REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS				
02.05.99	E.C.N. #108RDR	ADDED REFLOW PROFILE		A	
08.09.99	E.C.N. #10543			B	
01.05.01	E.C.N. #10695			C	
03.14.03	E.C.N. #10967			D	
02.07.05	E.C.N. #11148			E	
12.14.09	E.C.N. #10603			F	
03.28.11	E.C.N. #108RDR & REDRAWN.			G	



RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $I_A=25\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	635		2.5	nm	
FORWARD VOLTAGE	2.0			V _f	I _f =100µA
REVERSE VOLTAGE	5.0			V _r	I _r =20mA
AXIAL INTENSITY		20		med	
VIEWING ANGLE		90		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +80	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+240	°C
	* I<10µS	

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 4 STANDARDS

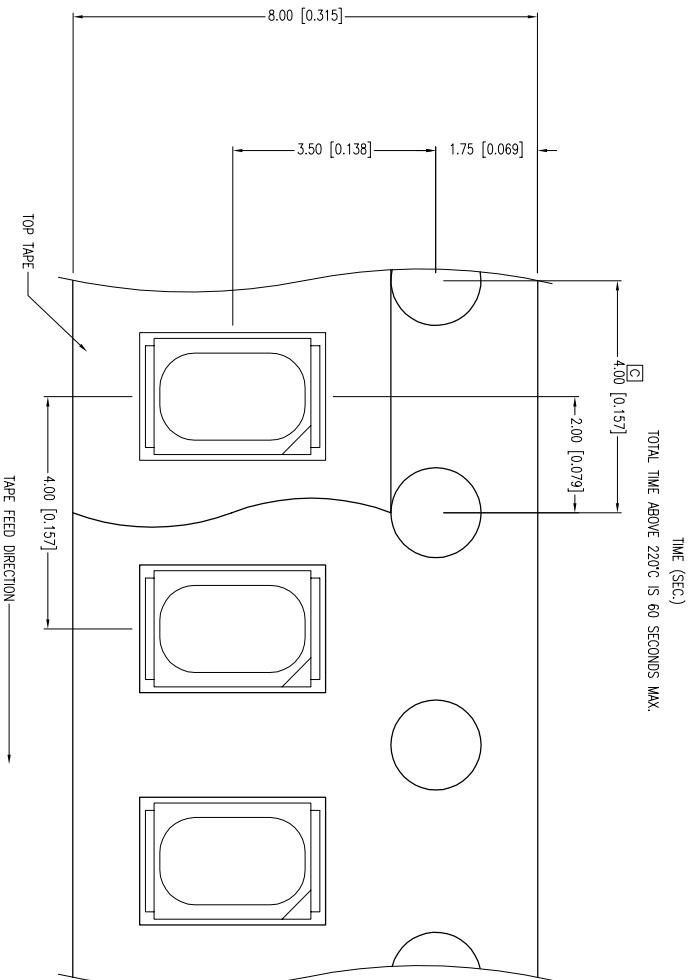
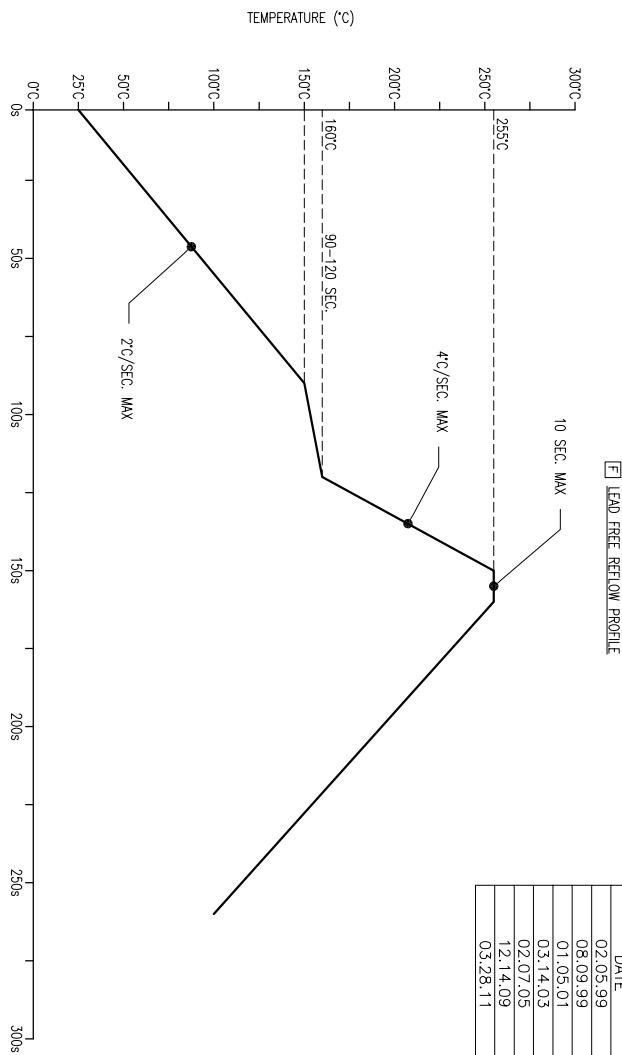
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.= -0.00 (DECIMAL PRECISION)

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LUMEX
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 290 E. HELEN ROAD
 PALATINE, IL 60067-6976
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 FAX: +1.847.359.6538
 WEB: WWW.LUMEX.COM

2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 635nm RED 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:	03.28.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		



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