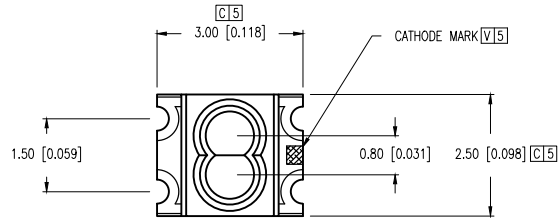


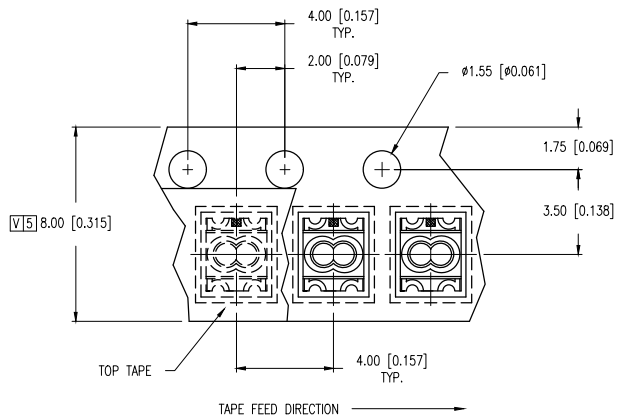
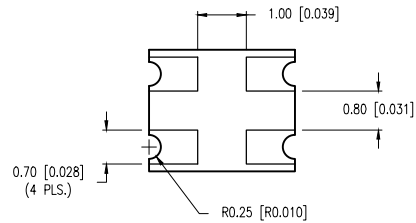
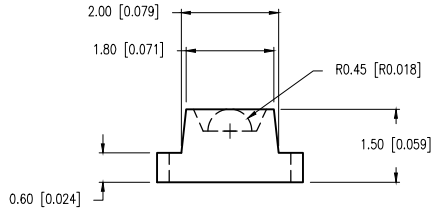
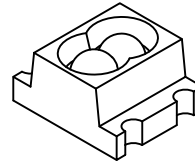
COMPANY CONFIDENTIAL

EL11-22SRVGC/TR8

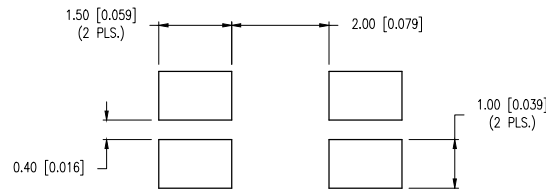


[V5] TOP VIEW POLARITY

GREEN ANODE GREEN CATHODE
RED ANODE RED CATHODE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SML-LXL1210SRGC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.31.01	E.C.N. #10749.		A
09.08.01	E.C.N. #10784.		B
03.14.03	E.C.N. #10967.		C
05.14.07	E.C.N. #11148.		D
05.28.10	E.C.N. #11508.		E

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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			660 570		nm	
[P5] FORWARD VOLTAGE	(R/G)		1.7/2.1	2.2/2.4	V_f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE		5.0			V_r	$I_f=20\text{mA}$
AXIAL INTENSITY	(R/G)		35/20		mcd	
VIEWING ANGLE			60		2x theta	
[V5] EMITTED COLOR:	RED/GREEN					
EPOXY LENS FINISH:	WATER CLEAR					

[A] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25/30	mA
POWER DISSIPATION	60/100	mW
DERATE FROM 25°C	- 1.0	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +90	$^{\circ}\text{C}$

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

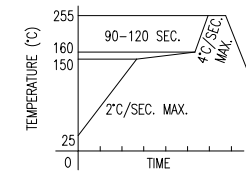
[E/C] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

NOTES:

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

[D] 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 -0.00, MAX.= +0.00 -DECIMAL PRECISION

P:\ARTWORK\Lumex logos\LUMEX-09.bmp	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM	2.7mm x 3.0mm PCB, SML, SUPER RED/GREEN CHIPS, WATER CLEAR LENS, TAPE AND REEL.		DATE: 11.06.00	DRAWN BY: JC
		THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 1 OF 1	CHKD BY: SS
		CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		SCALE: N/A	APRVD BY: KF
				UNIT: mm [INCH]	(N/A) [A/D]