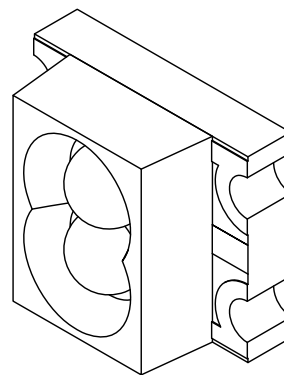
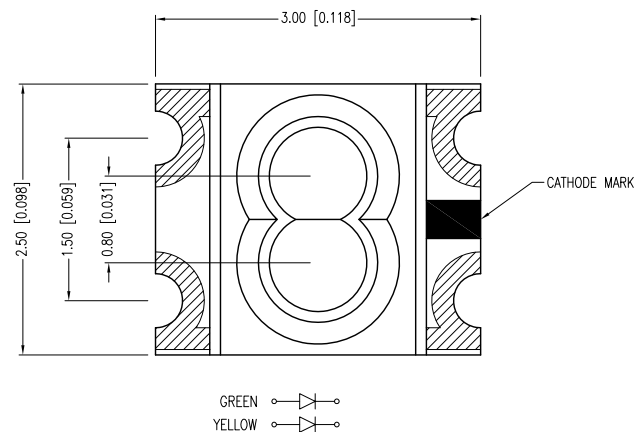


PART NUMBER	SML-LXL1210YGC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
08.06.98	REDRAWN.		A
11.06.00	E.C.N. #10BRDR. & REDRAWN IN 3D.		B
11.06.00	E.C.N. #10BRDR. & #10851.		C
03.14.03	E.C.N. #10967.		D
06.26.12	E.C.N. #10BRDR. & REDRAWN/#11826.		E



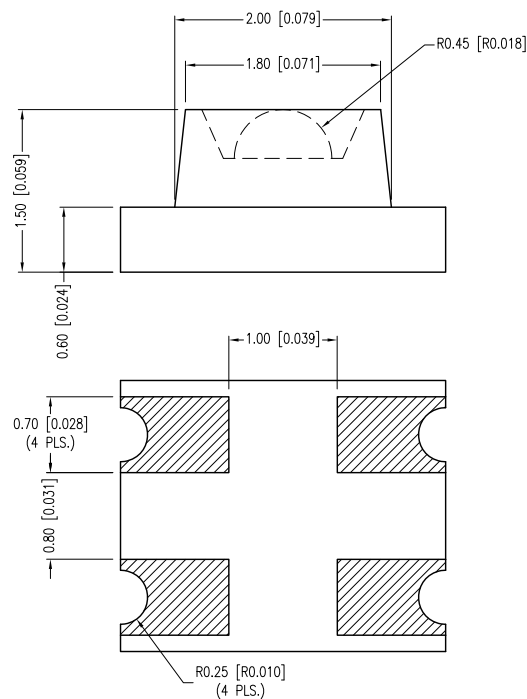
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (Y/G)		585/565		nm	
FORWARD VOLTAGE (Y/G)		2.1/2.2	2.5/2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		6/10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW/GREEN				
LENS FINISH:	WATER CLEAR				

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

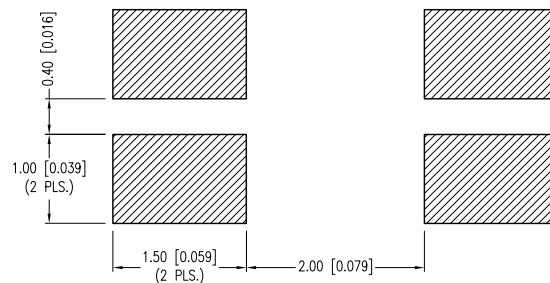
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (Y/G)	30/25	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.0	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

**CAUTION: MOISTURE SENSITIVE DEVICE**  
PER JEDEC LEVEL 2 STANDARDS



## RECOMMENDED SOLDER PAD LAYOUT



\*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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+DECIMAL PRECISION</sup><sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM  
MEMBER OF ITW PHOTONICS GROUP

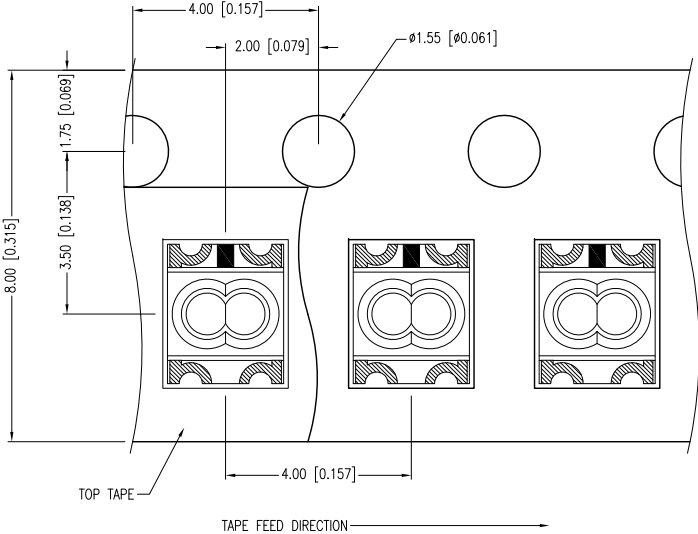
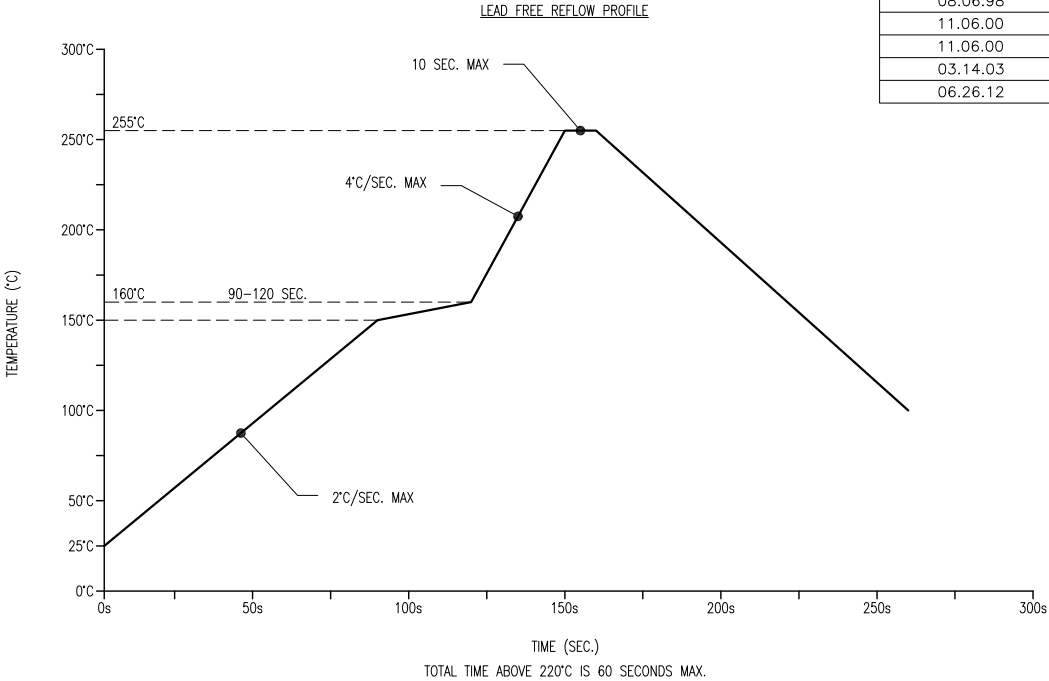
2.7mm x 3.0mm PCB, SML, DUAL YELLOW/GREEN CHIPS, WATER CLEAR LENS, TAPE &amp; REEL.

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

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DATE:	07.02.12	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT:	mm [INCH]		Ⓟ

PART NUMBER	SML-LXL1210YGC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
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03.14.03	E.C.N. #10967.		D
06.26.12	E.C.N. #10BRDR. & REDRAWN/#11826.		E



NOTES:

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

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 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP	2.7mm x 3.0mm PCB, SML, DUAL YELLOW/GREEN CHIPS, WATER CLEAR LENS, TAPE & REEL.	DATE: 07.02.12	DRAWN BY: AB
	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**	PAGE: 2 OF 2	CHKD BY: DT
	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: NTS	APRVD BY: DT
		UNIT: mm [INCH]	Ⓟ