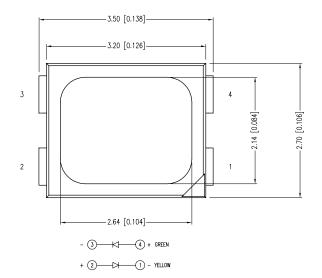
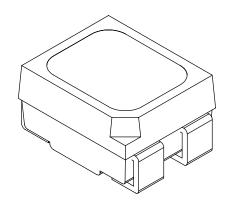
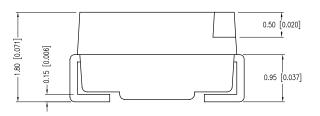
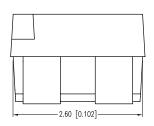
REV.









ELECTRO-OPTICAL CHA	RACTERISTI	CS T <sub>A</sub> =25°C	$I_f = 20 \text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
		565		nm	
FORWARD VOLTAGE (Y)	/G)	2.1/2.2	2.5/2.6	٧ <sub>f</sub>	
REVERSE VOLTAGE	5.0			$v_r$	I <sub>r</sub> =100uA
AXIAL INTENSITY (Y/G)		15/25		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	YELLOV	V/GREEN			
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 (Y/G)	30/25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-40 TO +85	•C
STORAGE TEMP.	-40 TO +85	•C
SOLDERING TEMP.	+260	<b>.</b> C
2.0mm FROM BODY	3	SEC. MAX
* t<10uS		

## NOTES:

- 1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- 2. 2,000 PER REEL.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS

0.80 [0.031]-		1.90 [0.075]	0.80 [0.031]
0.75 [0.030] 			
0.70 [0.028]			
0.75 [0.030]			

Creating LED and LCD Solutions Together\*

\*UNILESS 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 UNCONTROLLED DOCUMENT

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790

FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM

2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 585nm/565nm LED, WATER CLEAR LENS, 2k PER REEL

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

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.

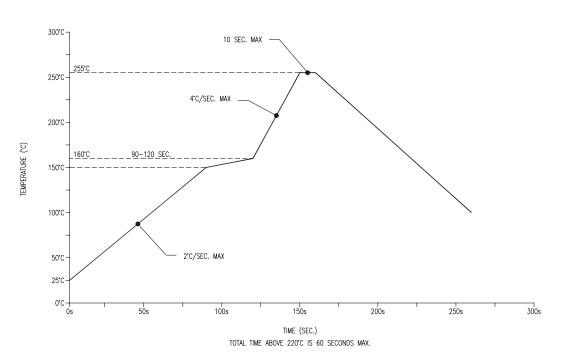
DATE: 02.3.11 DRAWN BY: AΒ 1 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: JD UNIT: mm [INCH] (Pb)

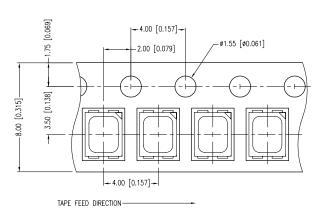
PART NUMBER

SML-LX2835YGC-TR

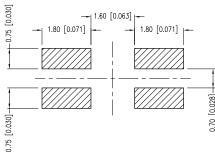
REV.

LEAD FREE REFLOW PROFILE





## 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= +DECIMAL PRECISION UNCONTROLLED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 585nm/565nm LED, WATER CLEAR LENS, 2k PER REEL

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

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.			

DATE:	02.3.11	DRAWN BY:	AB
PAGE:	2 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]	(Pb)	