

ELECTRO-OPTICAL CHARA	ACTERISTICS T	_=25°C _f =	20mA		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G	/B)	650/518/468	i	nm	
FORWARD VOLTAGE (R/G	/B)	2.0/3.5/3.5	2.4/4.3/4.3	V_f	
REVERSE VOLTAGE		5.0		V_r	I _r =100uA
AXIAL INTENSITY (R/G/B)	60/220/115		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED/GREEN	/BLUE			
EPOXY LENS FINISH:	WATER CLEA	R LENS			

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	60/100/100	mA
STEADY CURRENT	(R/G/B)	25/30/30	mA
POWER DISSIPATION	(R/G/B)	60/130/130	mW
OPERATING TEMP.		-40 TO +85	•c
STORAGE TEMP.		-40 TO +90	•c
* t<10uS			

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

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™

425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 2.8mm x 3.5mm SML /W REFLECTOR CUP, 650nm/518nm/468nm LED, WATER CLEAR LENS.

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

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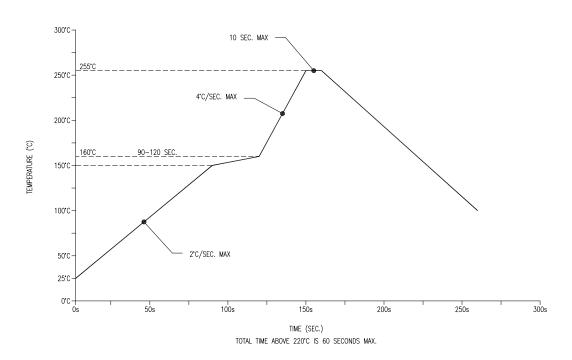
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ UNCONTROLLED DOCUMENT DATE: 02.03.11 DRAWN BY: AΒ 1 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: SS UNIT: mm [INCH] (Pb)

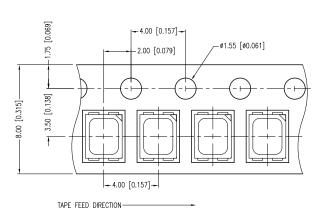
PART NUMBER

SML-LX2835SIUPGUBC

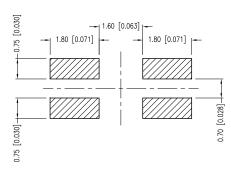
REV.

LEAD FREE REFLOW PROFILE





RECOMMENDED SOLDER PAD LAYOUT





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1	PAGE:	2 OF 2	CHKD BY:	KF
I	SCALE:	NTS	APRVD BY:	SS
	UNIT:	mm [INCH]	(R)	