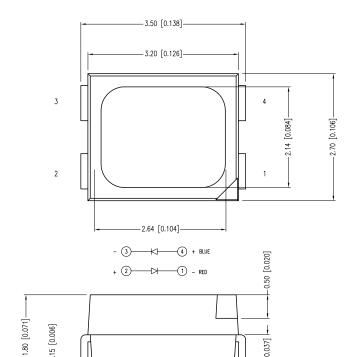
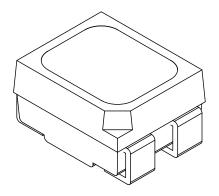
PART NUMBER

SML-LX2835SIUSBCTR

REV.







ELECTRO-OPTICAL CHARA	CTERISTIC	S T <sub>A</sub> = 25°C	$I_f = 20 \text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/B)		632/468		nm	
FORWARD VOLTAGE		2.0/3.5	2.4/3.7	$V_{f}$	
REVERSE VOLTAGE	5.0			$V_r$	I <sub>r</sub> =100uA
AXIAL INTENSITY (R/B)		150		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED/BL	JE			
EPOXY LENS FINISH:	WATER	CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C	C PER CHIP	
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT (R/B)	50/25	mA
POWER DISSIPATION (R/B)	120/95	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-40 TO +85	·C
STORAGE TEMP.	-40 TO +85	.c

<sup>\*</sup> t<10uS

## NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

0.75 [0.030] (4 PLS.) 0.70 [0.028]
· · · · · · · · · · · · · · · · · · ·

\*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.=  $^{+0.00}_{-0.00}$ 

[0.037] 0.95

> 2.7mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 632nm/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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UNCONTROLLED DOCUMENT DATE: 09.10.13 DRAWN BY: MA 1 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: KF (Pb) UNIT: mm [INCH]

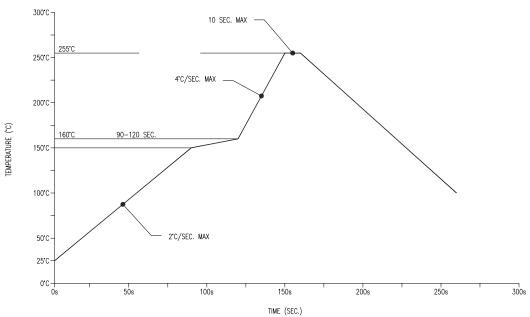


-0.15 [0.006]

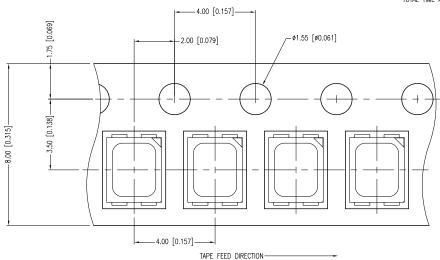
425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP

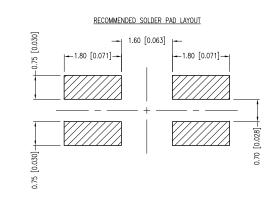
REV.

## LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.







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	PAGE:	2 OF 2	CHKD BY:	KF
	SCALE: NTS		APRVD BY:	KF
UNIT: mm [INCH]		mm [INCH]	(Pb)	