

ELECTRO-OPTICAL CHARA	CTERISTICS	$T_A = 25^{\circ}C$	$I_f = 2$	0mA		
PARAMETER	MIN		TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G,	/B)	636/	525/470		nm	
FORWARD VOLTAGE (R/G	/B)	2.0/	3.4/3.4	2.4/3.9/3.9	V_f	
REVERSE VOLTAGE			5.0		V_r	I _r =50uA
AXIAL INTENSITY (R/G/B)	ı	200/	440/125	280/700/180	mcd	I _f =20mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	RED/GREE	N/BLUE				
EPOXY LENS FINISH:	WATER CL	EAR LENS				

LIMITS OF SAFE OPERATION AT	25°C PER	CHIP	
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	100/100/100	mA
STEADY CURRENT	(R/G/B)	25/25/25	mA
POWER DISSIPATION	(R/G/B)	120/110/110	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]———	
0.75 [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, 636nm/525nm/470nm LED, WATER CLEAR LENS.

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

*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.= $^{+0.00}_{-0.000}$ MAX.= $^{+0.00}_{-0.000}$ PRECISION

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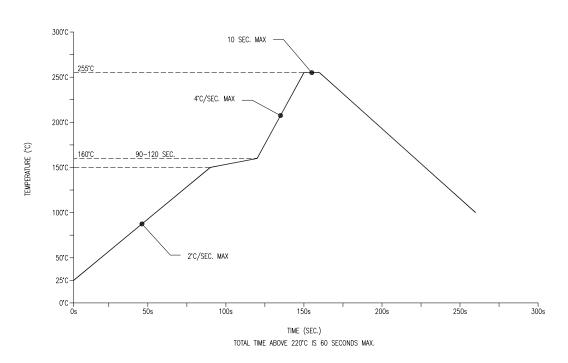
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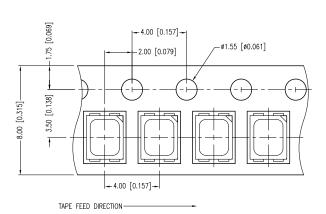
PART NUMBER

SML-LX2835SIUPUBC1

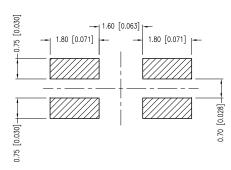
REV.

LEAD FREE REFLOW PROFILE





RECOMMENDED SOLDER PAD LAYOUT



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