ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_F=20\text{mA}$

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
			590		nm	
FORWARD VOLTAGE			2.0	2.5	V_f	
REVERSE VOLTAGE		5.0			V_r	$I_F=100\mu\text{A}$
AXIAL INTENSITY			200		md	$I_F=20\text{mA}$
VIEWING ANGLE			120		$2 \times \theta$	
EMITTED COLOR	RED/YELLOW					
EPOXY LENS FINISH	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

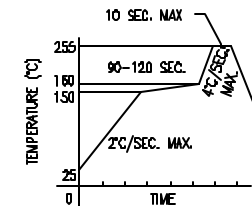
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	170	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

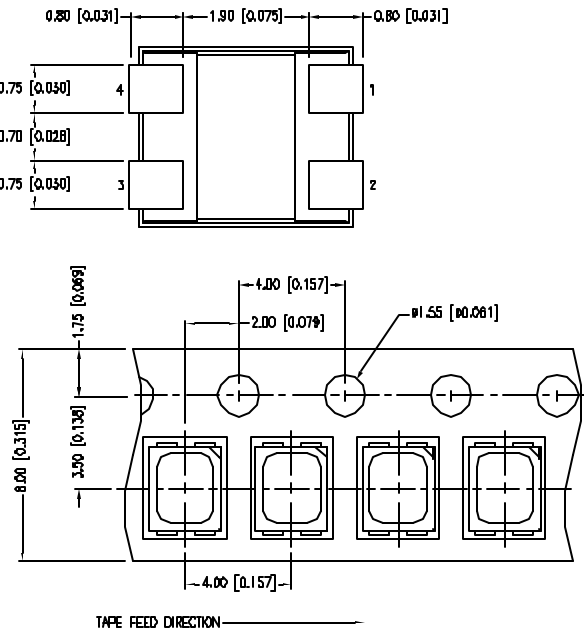
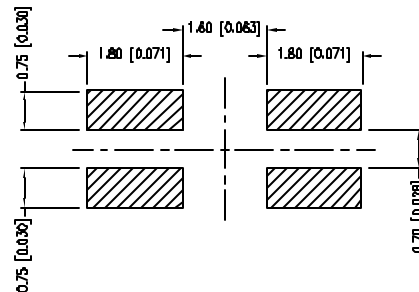
NOTES:

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

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 80 SECONDS MAX.CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ±DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

LUMEX
 Creating LED and LCD Solutions Together™

 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, 636nm/590nm 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: D1.07.11

DRAWN BY: AB

PAGE: 1 OF 1

CHKD BY: KF

SCALE:

APRVD BY: JD

UNIT: mm [INCH]



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SML-LX2835SISYC-TR](#)