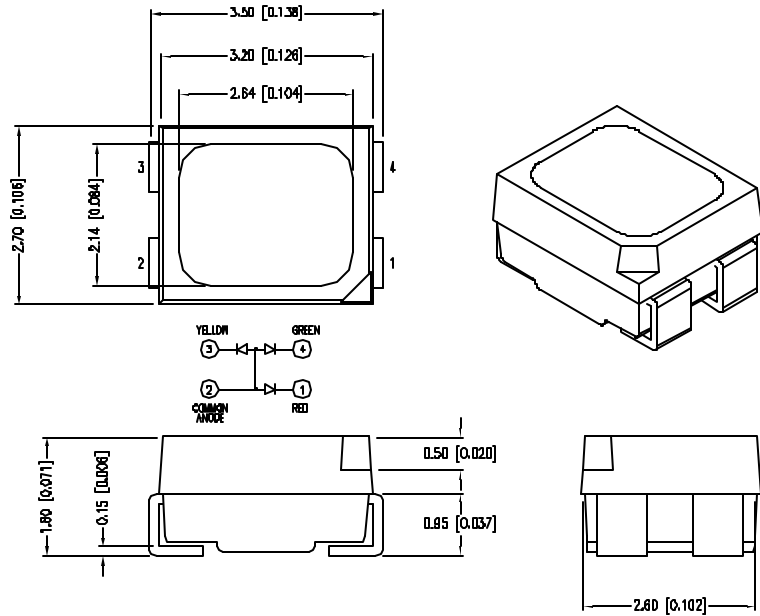




ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$				$I_F=20\text{mA}$	
PARAMETER	RED	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	660	565	580	nm	
FORWARD VOLTAGE TYP.	1.7	2.2	2.0	V_f	
FORWARD VOLTAGE MAX.	2.2	2.6	2.8	V_f	
REVERSE VOLTAGE	4.0	5.0	5.0	V_r	$I_F=100\mu\text{A}$
AXIAL INTENSITY	110	30	80	md	$I_F=20\text{mA}$
VIEWING ANGLE	120	120	120	2θ theta	
EMITTED COLOR:	RED/GREEN/YELLOW				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

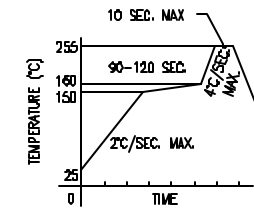
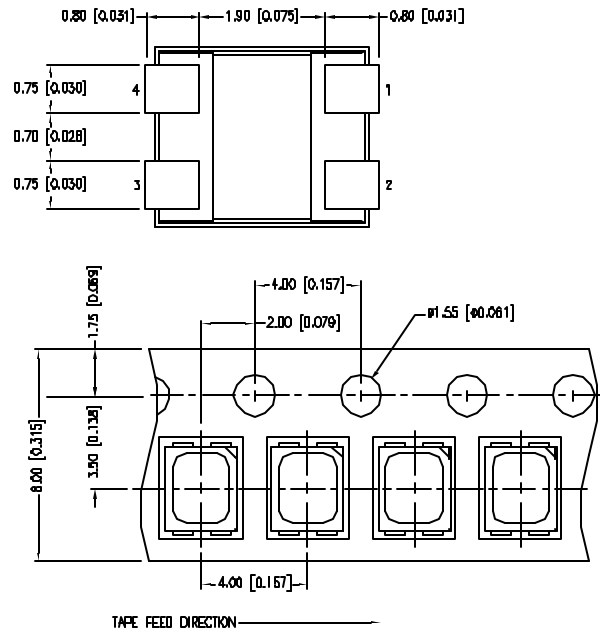
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/Y)	200/160/160	mA
STEADY CURRENT (R/G/Y)	30/25/30	mA
POWER DISSIPATION (R/G/Y)	110/100/100	mW
DERATE FROM 25°C	~ 1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO $+85$	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO $+85$	$^{\circ}\text{C}$
SOLDERING TEMP.	$+260$	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

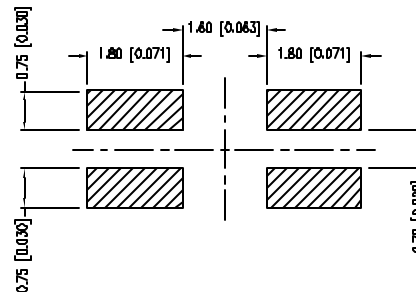
NOTES:

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 (±0.030), 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, 660nm/565nm/580nm LED, WATER CLEAR LENS, 2k

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:	01.07.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:		APRD BY:	JD
UNIT:	mm [INCH]		



Mouser Electronics

Authorized Distributor

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

Lumex:

[SML-LX2835SRSGSYTR](#)