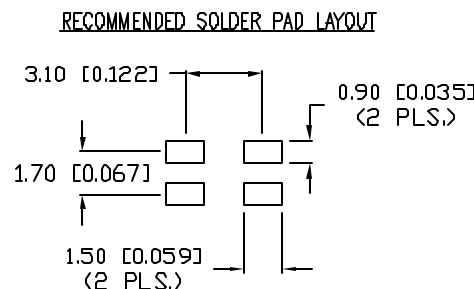
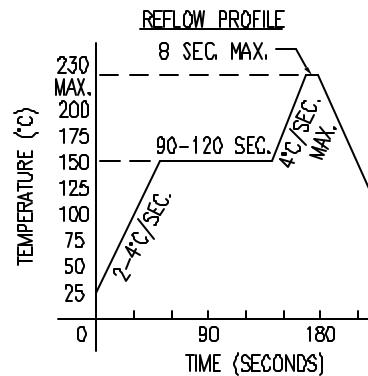
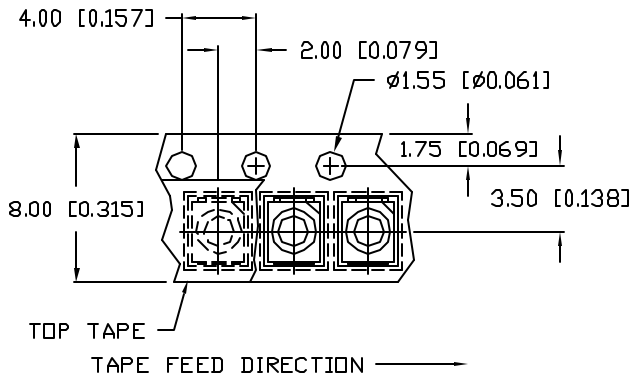
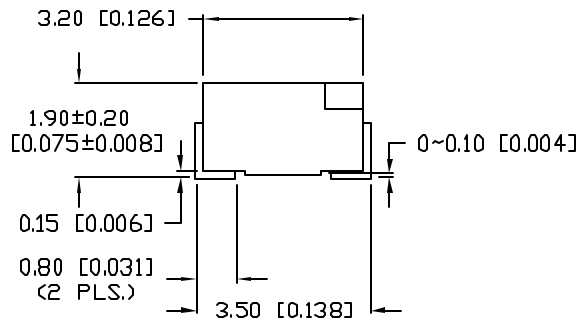
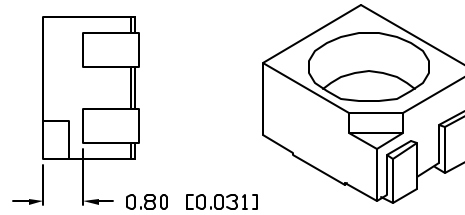
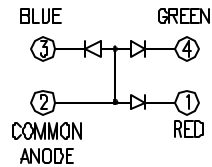
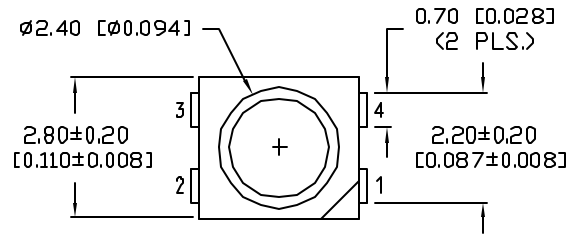


UNCONTROLLED DOCUMENT



PART NUMBER
SML-LX2832SRSGSBTR

REV.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$				
PARAMETER	RED	GREEN	BLUE	UNITS
PEAK WAVELENGTH	660	565	430	nm
FORWARD VOLTAGE (TYP.)	1.7	2.2	3.5	V_f
FORWARD VOLTAGE (MAX.)	2.2	2.6	4.5	V_f
REVERSE VOLTAGE	4.0	5.0	5.0	V_r
AXIAL INTENSITY	110	30	20	mcd
VIEWING ANGLE	120	120	120	2x theta
LED POSITION:	1	2	3	
EPOXY LENS FINISH: WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	200/160/100	mA
STEADY CURRENT	(R/G/B)	30/25/30	mA
POWER DISSIPATION	(R/G/B)	110/100/98	mW
DERATE FROM 25°C	(R/G/B)	-1.2/-1.2/-2.0	mW/°C
OPERATING TEMP.		-25 TO +85	°C
STORAGE TEMP.		-30 TO +85	°C

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

NOTES:

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

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

CAUTION: MOISTURE SENSITIVE DEVICE
1. SHELF LIFE IN SEALED BAG:
12 MONTHS AT <40°C AND <80% RELATIVE HUMIDITY (RH).
2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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.=+0.00 -0.00, MAX.=+0.00 -0.00

REV.

PART NUMBER

SML-LX2832SRSGSBTR

2.8mm x 3.2mm SURFACE MOUNT WITH REFLECTOR CUP, TRIPLE CHIP, SUPER RED, SUPER GREEN, SUPER BLUE, WATER CLEAR LENS, TAPE AND REEL

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.

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 1.11.01
			PAGE: 1 OF 1
			SCALE: N/A