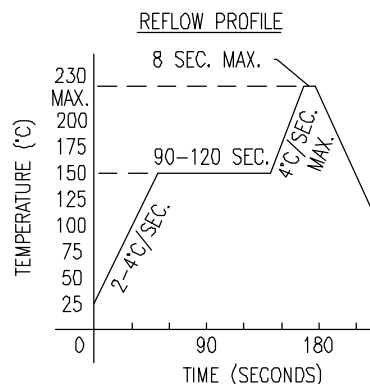
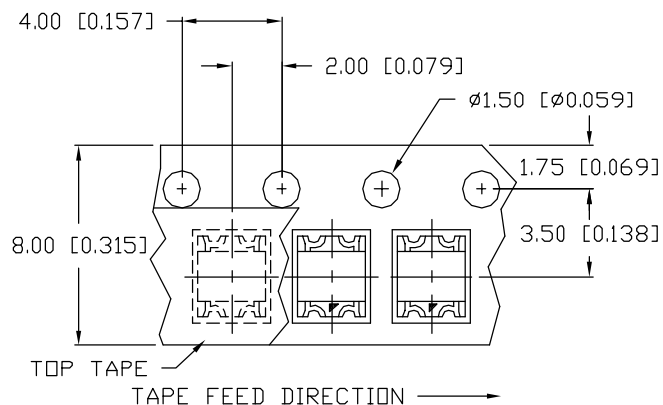
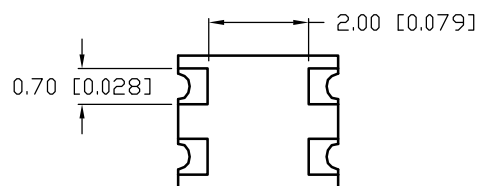
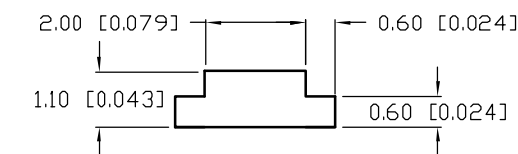
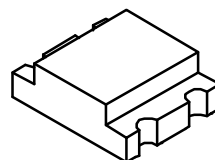
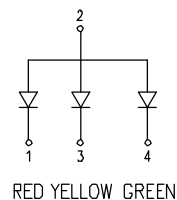
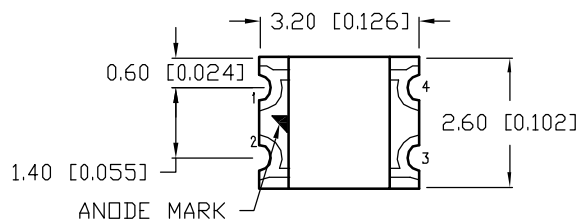
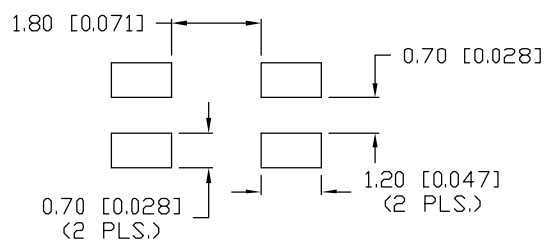




RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SML-LX2632SISUGSYC		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10967.	3.14.03

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

PARAMETER	RED	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	636	574	590	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.4	2.6	2.8	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	80	50	80	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	120	120	120	2x theta	
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	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/°C
OPERATING TEMP.		-20 TO +85	°C
STORAGE TEMP.		-30 TO +85	°C

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

NOTES:

- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

A

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

*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.=+DECIMAL PRECISION MAX.=+0.00 -0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SML-LX2632SISUGSYC

2.6mm x 3.2mm P.C.B. SURFACE MOUNT LED,
RED/GREEN/YELLOW AlInGaP CHIPS, WATER CLEAR LENS,
TAPE AND REEL, 2,000 PIECES PER REEL.

CONFIDENTIAL INFORMATION

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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:

CT

CHECKED BY:

APPROVED BY:

DATE: 6.6.02

PAGE: 1 OF 1

SCALE: N/A