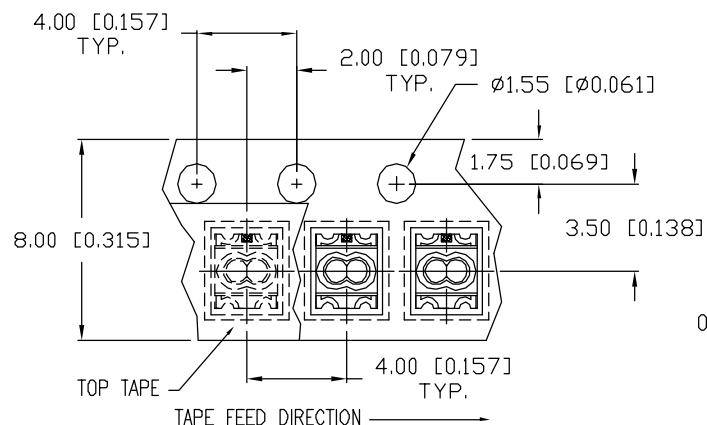
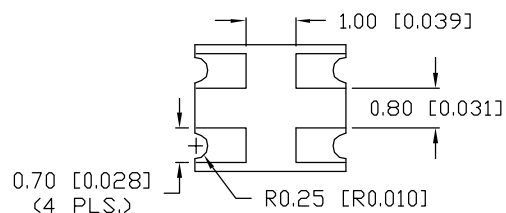
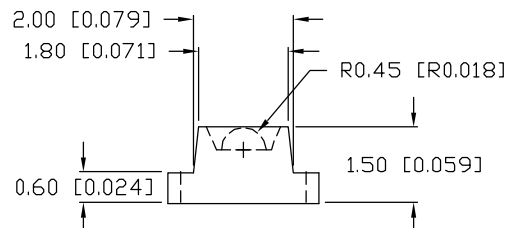
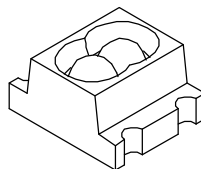
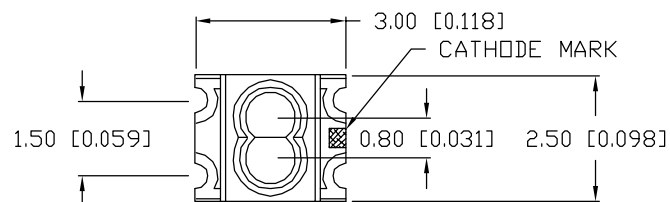
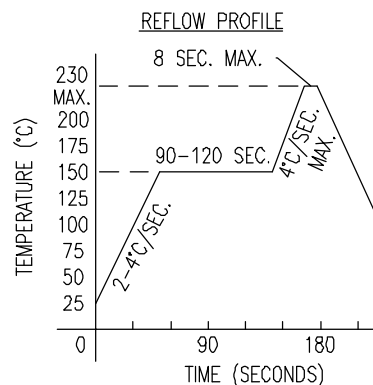


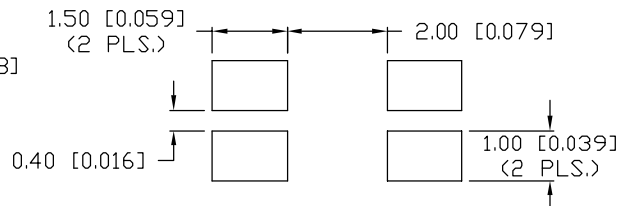
UNCONTROLLED DOCUMENT



TOP VIEW POLARITY
 YELLOW ANODE YELLOW CATHODE
 RED ANODE RED CATHODE



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
 PER JEDEC LEVEL 4 STANDARDS

PART NUMBER			REV.
SML-LXL1210SRSYCTR			E
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	REDRAWN.	8.6.98	
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	11.6.00	
C	E.C.N. #10748.	5.31.01	
D	E.C.N. #10784.	9.8.01	
E	E.C.N. #10967.	3.14.03	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
		590 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		1.7/2.1	2.2/2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100µA
AXIAL INTENSITY (R/Y)		50/90		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT		25	mA
POWER DISSIPATION	(R/Y)	60/100	mW
DERATE FROM 25°C		-1.0	mW/°C
OPERATING TEMP.		-40 TO +85	°C
STORAGE TEMP.		-40 TO +90	°C

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

*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 -DECIMAL PRECISION

REV.

E

PART NUMBER

SML-LXL1210SRSYCTR

2.7mm x 3.0mm PCB, SURFACE MOUNT LED,
 SUPER RED/SUPER YELLOW CHIPS,
 WATER CLEAR LENS, TAPE AND 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.



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APPROVED BY:

DATE: 10.14.97

PAGE: 1 OF 1

SCALE: N/A