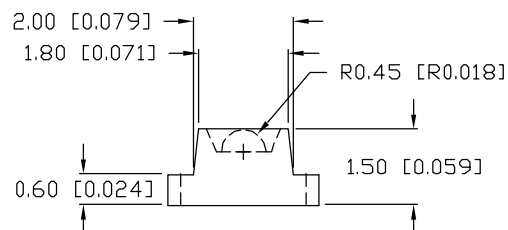
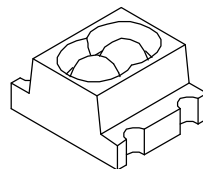
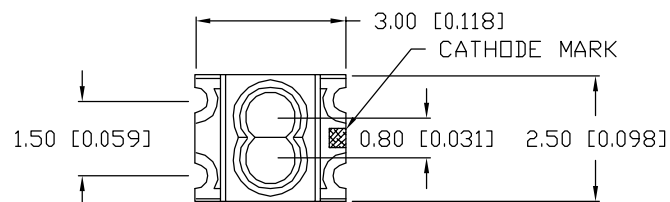


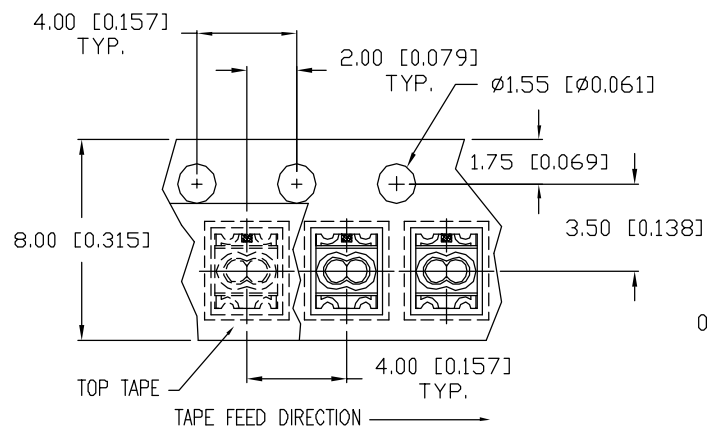
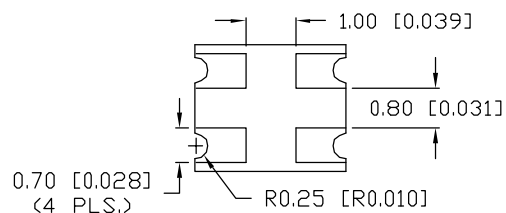
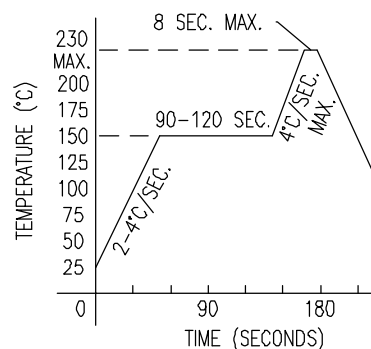
UNCONTROLLED DOCUMENT



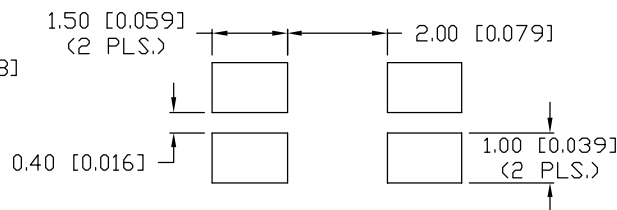
TOP VIEW POLARITY

YELLOW ANODE YELLOW CATHODE
GREEN ANODE GREEN CATHODE

REFLOW PROFILE



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

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		6/10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		RED/GREEN			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(Y/G)	30/25	mA
POWER DISSIPATION		100	mW
DERATE FROM 25°C		-1.0	mW/ $^{\circ}\text{C}$
OPERATING TEMP.		-30 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$

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

*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.

B

PART NUMBER

SML-LXL1210GYC-TR

2.7mm x 3.0mm PCB, SURFACE MOUNT LED,
565nm GREEN AND 585nm YELLOW CHIPS,
WATER CLEAR LENS, TAPE AND REEL.

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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: 11.8.00

PAGE: 1 OF 1

SCALE: N/A

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REV.

B

PART NUMBER

SML-LXL1210GYC-TR

E.C.N. NUMBER AND REVISION COMMENTS

A E.C.N. #10BRDR. & #10851.

B E.C.N. #10967.

DATE

4.16.02

3.14.03

Mouser Electronics

Authorized Distributor

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