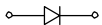
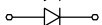
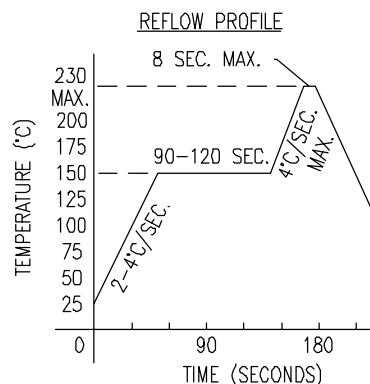
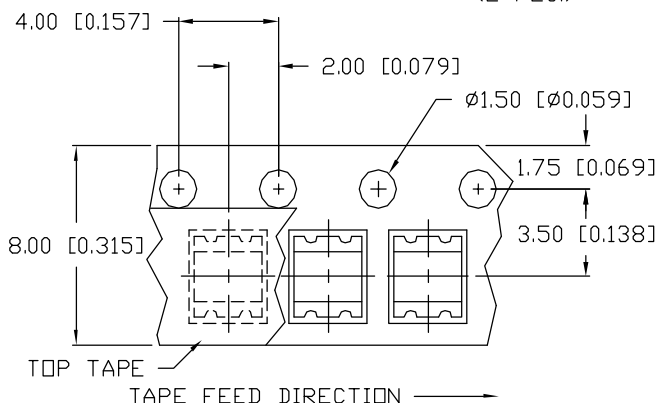
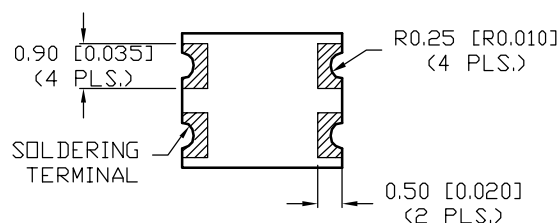
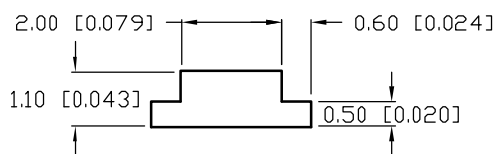
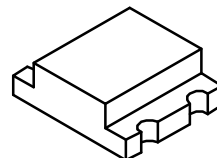
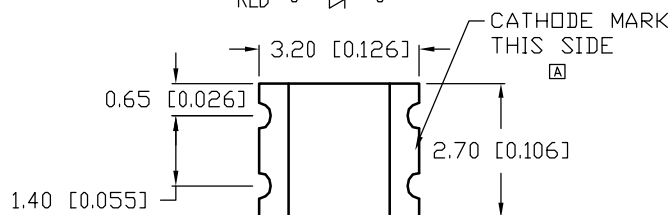
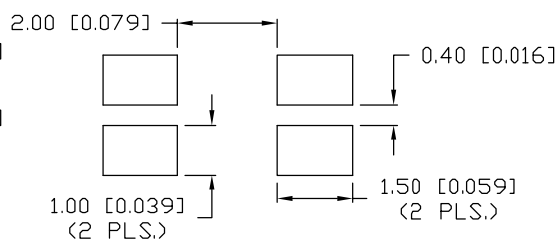


UNCONTROLLED DOCUMENT

GREEN 
 RED 



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER			REV.
SML-LX1210ISGC-TR			B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #10834.	1.25.02	
B	E.C.N. #10972.	3.25.03	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY (R/G)		10/15		mcd	I _f =20mA
VIEWING ANGLE		160		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*		100	mA
STEADY CURRENT		25	mA
POWER DISSIPATION		65	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-25 TO +85	°C
STORAGE TEMP.		-30 TO +85	°C

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

NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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 -DECIMAL PRECISION

REV.

B

PART NUMBER

SML-LX1210ISGC-TR

2.7mm x 3.2mm P.C.B. SURFACE MOUNT LED,
 DUAL RED/GREEN 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.



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APPROVED BY:

DATE: 10.11.01

PAGE: 1 OF 1

SCALE: N/A