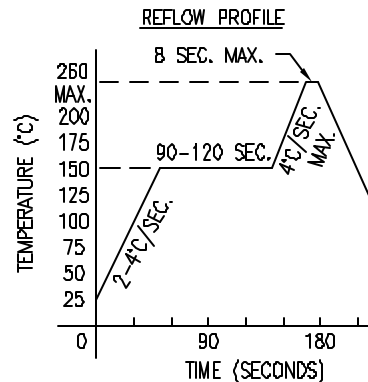
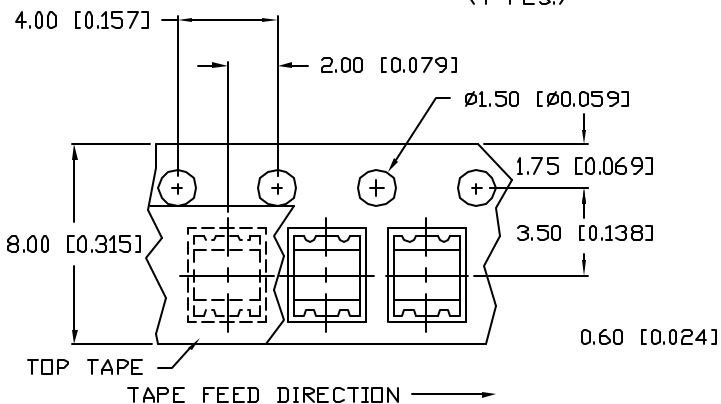
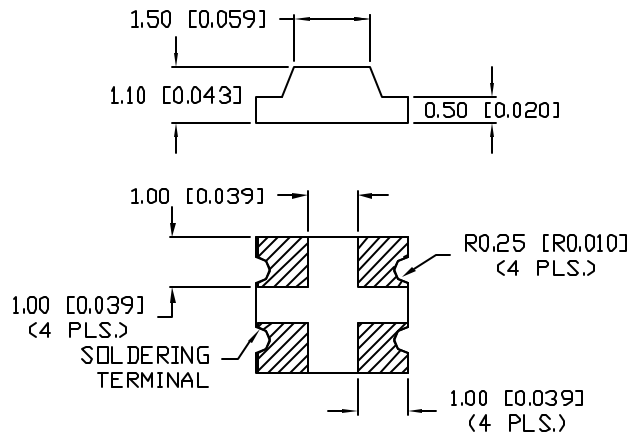
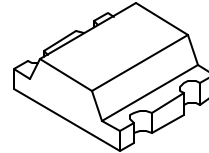
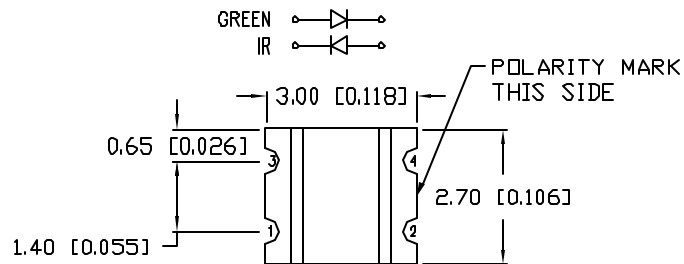
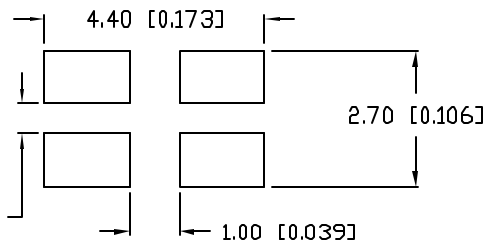




RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		880 (IR)		nm	
		525 (GREEN)		nm	
FORWARD VOLTAGE (IR/G)		1.3/3.2	1.5/4.0	V_f	
REVERSE VOLTAGE (IR/G)	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY IR		1		mW/SR	$I_f=20\text{mA}$
		G	120	mcd	$I_f=20\text{mA}$
VIEWING ANGLE (IR/G)		120		2x theta	
EMITTED COLOR:		IR/GREEN			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(IR/G)	1.2/100	A/mA
STEADY CURRENT	(IR/G)	50/30	mA
POWER DISSIPATION	(IR/G)	80/120	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:

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), 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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LX1210CLUPGCTR

2.7mm x 3.2mm P.C.B. SURFACE MOUNT LED,
DUAL IR/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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CHECKED BY:

APPROVED BY:

DATE: 10.11.01

PAGE: 1 OF 1

SCALE: N/A