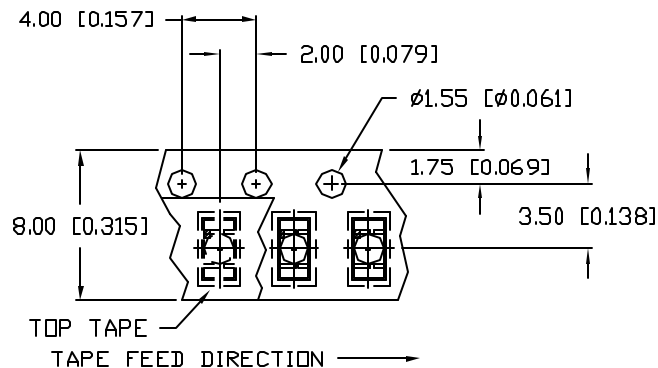
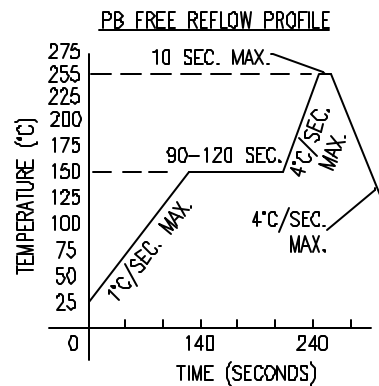
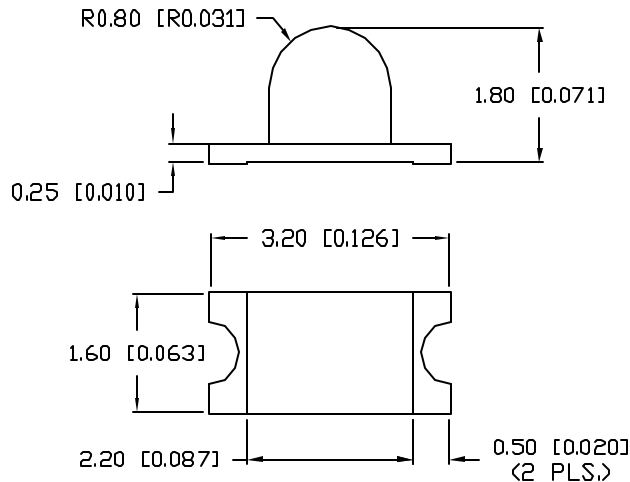
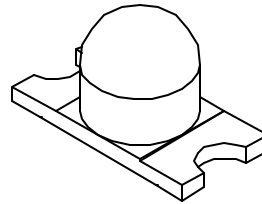
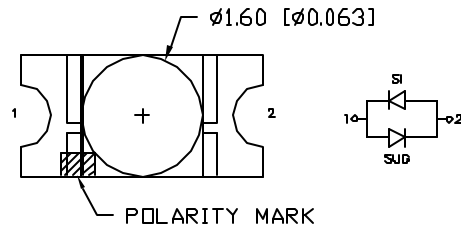


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650(RED)		nm	
		574(GREEN)			
FORWARD VOLTAGE (R/G)		2.0/2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		500/40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		40		2x theta	
EMITTED COLOR:		RED/GREEN			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C PERCHIP

PARAMETER	COLOR	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G)	185/150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/G)	170/105	mW
DERATE FROM 25°C		1.0	mW/ $^\circ\text{C}$
OPERATING TEMP.		-40 TO +85	$^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$

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

NOTES:

- 2,000 PIECES PER REEL.
- THE POLARITY MARK 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 -0.00, MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LXL1307SISUGCT

3.2mm x 1.6mm PCB SURFACE MOUNT LED,
BI-COLOR 650nm RED/ 574nm GREEN LED
WATER CLEAR DOME 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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PAGE: 1 OF 1

SCALE: N/A