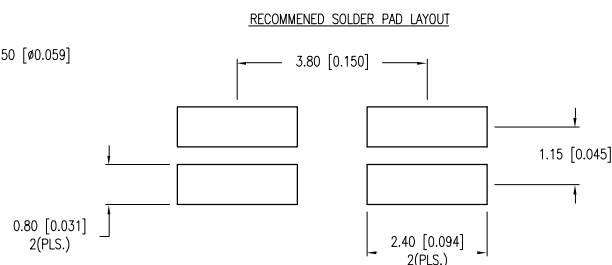
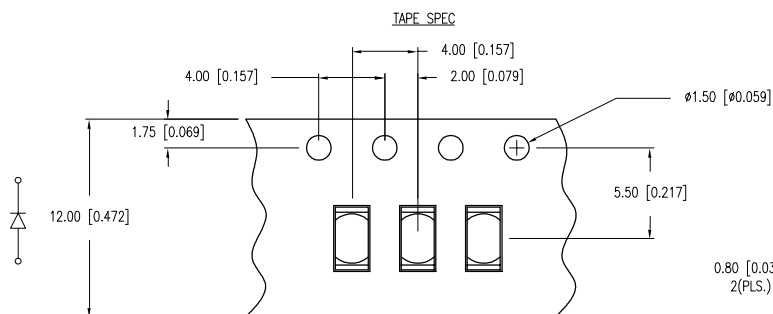
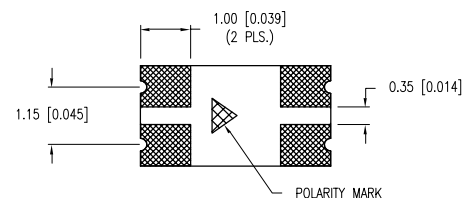
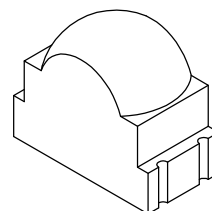
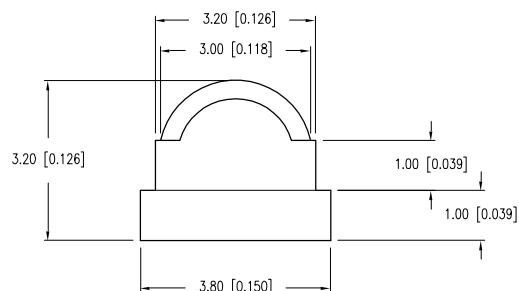
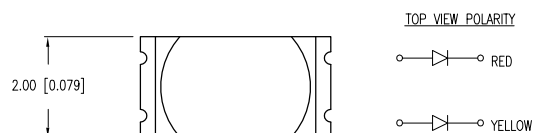


PART NUMBER	SML-LXL238ZIZYC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.25.10	E.C.N. #10BRDR. & REDRAWN.		A



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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			630		nm	
			590		nm	
FORWARD VOLTAGE	(R/Y)		2.2/2.3	2.8	V_f	
REVERSE VOLTAGE		5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	(R/Y)		1200/400		mcd	$I_f=20\text{mA}$
VIEWING ANGLE X			60		2x theta	
VIEWING ANGLE Y			35		2x theta	
EMITTED COLOR:	RED/YELLOW					
EPOXY LENS FINISH:	WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/Y)	150/140	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	- 1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	- 40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	- 40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

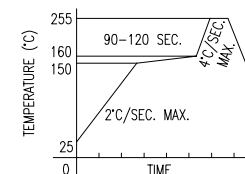
A CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

NOTES:

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

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $x=\pm 1$ (± 0.039), $x.x=\pm 0.5$ (± 0.020), $x.xx=\pm 0.25$ (± 0.010), $x.xxx=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\frac{+DECIMAL PRECISION}{-0.00}$ MAX= $\frac{+0.00}{-DECIMAL PRECISION}$

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3.8mm x 2.0mm SMT LED, BI-COLOR RED/YELLOW LED, WATER CLEAR DOME LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 09.03.03	DRAWN BY: JN
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: JD
UNIT: mm [INCH]	(R)